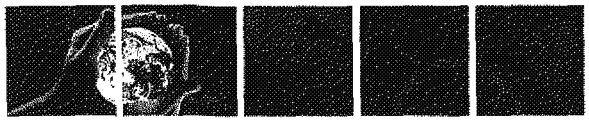

Application for Part 70 Permit Renewal

MGPI of Indiana, LLC
Operating Permit: T029-24407-00005
Lawrenceburg, Indiana

Prepared for:
MGPI of Indiana, LLC
7 Ridge Avenue
Lawrenceburg, Indiana 47025

Prepared by:
ENVIRON International Corporation
Chicago, Illinois

Date:
July 2012

Project Number:
3430011A

ENVIRON

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1 Introduction

MGPI of Indiana, LLC (MGPI) owns and operates a stationary distilled spirits production facility located in Lawrenceburg, Indiana. The facility is currently authorized to operate as a Title V major source of nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), sulfur dioxide (SO_2), and particulate matter (PM) under Part 70 Operating Permit 029-24407-00005, issued April 15, 2008 by the Indiana Department of Environmental Management (IDEM). The MGPI facility is located in Dearborn County, which is designated nonattainment for the National Ambient Air Quality Standard (NAAQS) for $PM_{2.5}$ and attainment for all other criteria pollutants.

1.1 Permit Renewal

MGPI is submitting this application to renew the facility's Title V operating permit, which is due to expire on April 15, 2013. In accordance with 326 IAC 2-7-4(a)(1)(D) and Condition B.16 of Permit 029-24407-00005, MGPI is submitting this renewal application at least nine months prior to the date of expiration of the permit.

This application follows IDEM guidance for a streamlined permit application. Information is included pertaining to changes to facility operations or requested changes to the permit itself; information that was previously submitted to IDEM in the original Title V permit application or subsequent modification applications that remains current is incorporated by reference into this application.

Following IDEM guidance, this application contains the following elements as specified for a streamlined permit application:

- A list of current permit numbers;
- A signed application cover sheet and form GSD-01;
- Completed FED-01 forms to address updated applicability of federal regulatory requirements;
- A list of changes to exempt or insignificant activities;
- A list of emission units that have been removed from the source; and
- Compliance Assurance Monitoring (CAM) applicability / application forms.

Due to the changes being requested, updated site-wide emission estimates have been included in Appendix B of this application.

2 List of Current Permit Numbers

MGPI has undergone the following permit actions subsequent to the April 15, 2008 issuance of Permit 029-24407-00005.

- Administrative Amendment No. 029-26489-00005 issued on June 17, 2008
  - This administrative amendment updated the permit to clarify that opacity deviations occur when opacity exceeds twenty percent for three consecutive six minute averaging periods.
- Administrative Amendment No. 029-31206-00005 issued on December 28, 2011
  - This administrative amendment changed the name of the source to MGPI of Indiana, LLC due to a transfer of ownership. Additional permit revisions were also made in order to update the language to match the most current version of certain applicable rules, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of certain conditions.

3 Updated Federal Rule Applicability

The following Federal regulations have recently been promulgated and have not yet been addressed in MGPI's Title V permit:

- The National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial Boilers and Process Heaters under 40 CFR 63 Subpart DDDDD (i.e., the Boiler Maximum Achievable Control Technology [MACT] standard);
- The NESHAP for Reciprocating Internal Combustion Engines (RICE) under 40 CFR 63 Subpart ZZZZ (i.e., the RICE MACT).

Completed FED-01 forms are included in Appendix A to address the applicability of these Federal Rules to emission sources at the MGPI facility. A detailed discussion of regulatory applicability is provided in the following Sections.

3.1 Boiler MACT

MGPI's two existing boilers, EU-96 and EU-97, are subject to Boiler MACT requirements. Historically, boiler EU-96 (heat input capacity of 244 MMBtu/hr) has been permitted to combust fuels including coal-based alternative fuels, coal, natural gas, #6 fuel oil, and wood. Boiler EU-97 (47.6 MMBtu/hr using natural gas and 45.6 MMBtu/hr using #2 fuel oil) has been permitted to combust natural gas and #2 fuel oil as a back-up fuel.

With this application, MGPI is requesting to restrict EU-96 to combust natural gas only, and is requesting that EU-97 be permitted to combust natural gas and restricted to combust liquid fuel only in the event of a natural gas curtailment or supply interruption. As such, EU-96 and EU-97 will be subject to work practices under the current version of 40 CFR 63 Subpart DDDDD including, but not limited to, the following:

- Conduct a one-time energy assessment
- Complete an annual tune-up
- Provide a written notification in the event that the unit is fired with a liquid fuel due to a natural gas curtailment or supply interruption that is out of the control of MGPI.

With these fuel restrictions in place, numerical emission standards under the Boiler MACT will not apply to these units. A complete listing of the applicable requirements is provided in the FED-01 form included in Appendix A. The citations listed are taken from the final regulation as currently effective [76 FR 15608, March 21, 2011]. The United States Environmental Protection Agency (USEPA) has recently published a proposed and reconsidered rule [76 FR 80598, December 23, 2011], which has not yet been finalized. The set of applicable requirements listed in the FED-01 form may change, depending on the content of the reconsidered final Boiler MACT when promulgated.

3.2 RICE MACT

MGPI operates one diesel-fired emergency generator, one natural gas-fired emergency generator, and one diesel-fired emergency fire water pump that are subject to requirements under the RICE MACT. A listing of the applicable requirements is provided in completed FED-

01 forms included in Appendix A. The units each qualify as existing emergency-use RICE under the regulation, and are subject to certain work practice standards and runtime limitations.

3.3 Greenhouse Gas Applicable Requirements

The emission estimates included in Appendix B of this application address emissions of greenhouse gases (GHGs) from MGPI's emission units. MGPI currently has a potential to emit GHG in excess of 100,000 ton/yr CO_2e and 100 ton/yr GHG on a mass basis, and therefore qualifies as an existing major source under "Step 2" of USEPA's Tailoring Rule. MGPI has not triggered Prevention of Significant Deterioration (PSD) permitting for GHG emissions and is not subject to GHG control requirements from PSD permitting actions. Therefore, according to USEPA guidance (EPA-457/B-11-001, March 2011), no applicable requirements related to GHG pollutants apply to MGPI. MGPI is subject to and complying with USEPA's mandatory GHG reporting rule under 40 CFR 98, but understands that this rule does not meet the definition of applicable requirement under Title V. Since MGPI does not have GHG applicable requirements under Title V, a FED-01 form for GHGs has not been included in this application.

USEPA recently deferred the application of Title V permitting requirements to biogenic CO_2 emissions from biogenic stationary sources until at least July 21, 2014 [76 FR 43490, July 20, 2011]. Therefore, the emission estimates in Appendix B do not include CO_2 emissions resulting from the facility's fermentation operations. These biogenic emissions are not currently required to be counted for applicability purposes under Title V. MGPI will address its fermentation CO_2 emissions pending additional USEPA rulemaking that determines whether such emissions must be counted for Title V applicability.

4 Insignificant Activities

The listing of insignificant activities and trivial activities pursuant to 326 IAC 2-7-1(21) and 326 IAC 2-7-1(41), respectively, that was included with the Technical Support Document (TSD) prepared during MGPI's last permit renewal remains complete and does not require updates. Therefore, a completed GSD-10 form is not included with this application.

The following existing insignificant activities are now specifically regulated under the RICE MACT:

- Generac Generator (a natural gas-fired emergency generator qualifying as insignificant under 326 IAC 2-7-1(21)(J)(xxii)(BB)(cc) for units less than 16,000 hp);
- Olympian Generator (a diesel-fired emergency generator qualifying as insignificant under 326 IAC 2-7-1(21)(J)(xxii)(BB)(bb) for units less than 1,600 hp); and
- Detroit Clarke 0DFP0447 Generator (a diesel-fired emergency generator qualifying as insignificant under 326 IAC 2-7-1(21)(J)(xxii)(BB)(bb) for units less than 1,600 hp).

Emission estimates for these units are provided in Appendix B, and the applicability of the RICE MACT is discussed in Section 3.2.

5 Updates to Significant Emission Units

This section of the application summarizes changes to significant emission units that have occurred since the last permit renewal, including emission units that are no longer part of MGPI's operations and emission units for which permit updates are needed.

5.1 Significant Emission Units Removed

MGPI no longer owns or operates the bottling operations that have historically been included in the facility permit. The responsibility for permit authorization of these sources now resides with their current owner/operator, Proximo Spirits, Inc. Therefore, the following emission units can be removed from Operating Permit 029-24407-00005:

- One (1) regauge tank area, identified as EU-44, consisting of fifty-six (56) tanks, installed in 1960, exhausting to Stack S-440, capacity: 592,362 gallons of ethanol, total
- One (1) bottling tank room, identified as EU-51, consisting of forty-five (45) organic liquid storage tanks, with a total capacity of 452,000 gallons of ethanol, consisting of the following:

  (1) Forty-one (41) organic liquid storage tanks, installed in 1969, exhausting to Stack S-510 and

  (2) Four (4) organic liquid storage tanks, installed in 2003, exhausting to Stack S-510
- Seven (7) bottling lines, and one (1) 50-ml bottling line, collectively identified as EU-52, installed prior to 1950 and modified in 2003, exhausting to Stack S-520, capacity: 452,000 gallons of ethanol.
- One (1) cooler operation, identified as EU-53, installed prior to 1988, exhausting to Stack S-530, capacity: 2,187 cases per hour.

These sources have been removed from the completed application forms, as applicable, that are included in Appendix A as well as the emission estimates that are included in Appendix B.

5.2 Boiler Revisions

As discussed in Section 3.1, MGPI will restrict the existing steam boiler EU-96 to combust only natural gas. In addition to addressing applicable requirements for this unit under the Boiler MACT, MGPI also requests that IDEM update the state regulations applicable to EU-96 to reflect the fact that only natural gas will be combusted. Specifically, MGPI requests the following updates to Section D.2 of the permit:

- The electrostatic precipitator (ESP) previously required only when the unit fired coal, coal based alternative fuel, or wood, is no longer required to operate to control PM emissions. Therefore, MGPI requests that the requirements regarding operation, maintenance, and parametric monitoring of the ESP be removed from the permit;
- Fuel sampling or stack testing to demonstrate compliance with the existing sulfur dioxide emission limit (1.92 lb/MMBtu) is no longer required; compliance can be considered inherent to the unit when combusting natural gas. Therefore, MGPI requests that the SO_2 fuel sampling and source testing requirements be removed from the permit.

- Source testing for PM to demonstrate compliance with the existing PM emission limits (0.180 lb/MMBtu and 214.2 tons per consecutive 12-month period) is no longer required; compliance can be considered inherent to the unit when combusting natural gas. Therefore, MGPI requests that the recurring PM stack testing requirement be removed from the permit.

- As addressed further in Section 6 of this application, CAM no longer applies to EU-96 when limited to combusting natural gas. Therefore, MGPI requests that the requirement to operate and maintain a COMS on EU-96 be removed from the permit.

Since boiler EU-97 may potentially combust liquid fuel in the event of a natural gas curtailment or supply interruption, MGPI is not requesting revisions to the unit's existing permit terms and conditions related to combustion of No. 2 fuel oil. The state and federal requirements currently listed in Sections D.3 and E.1 of Permit 029-24407-00005 will continue to apply.

5.3 Rotary Dryer Revisions

Five rotary dryers, installed prior to 1950 and designated collectively within EU-32, have historically been permitted as sources of PM emissions. Based on the latest information available for similar distiller's dried grain (DDG) production operations, MGPI is requesting that EU-32 also be designated as a source of VOC and HAP emissions. Estimated VOC and HAP emissions for EU-32 have been quantified and are included within the calculation tables provided in Appendix B.

EU-32 is not subject to additional applicable requirements due to its VOC or HAP emissions. Since the dryers were installed before January 1, 1980, the requirements of 326 IAC 8-1-6 (New facilities, general reduction requirements) are not applicable. Similarly, the requirements of 326 IAC 8-6 (Organic Solvent Emissions Limitations) are not applicable pursuant to 326 IAC 8-6-1(2), since the dryers were installed prior to October 7, 1974.

6 CAM Applicability

CAM applicability for the existing pollutant specific emission units at MGPI was previously addressed during the previous Title V renewal (permit 029-24407-00005 issued April 15, 2008), and no new pollutant specific emission units have been added since that time. Therefore, completed CAM-01 forms are not included in this permit application.

MGPI has complied with CAM requirements applicable to Boiler EU-96 by operating and maintaining a continuous opacity monitoring system (COMS), due to the operation of an ESP for control of PM emissions when the unit fired coal, coal based alternative fuel, or wood. Since MGPI is requesting to restrict EU-96 to combust natural gas only, the add-on ESP emission control is no longer required, pre-control PM emissions from EU-96 are less than the 100 ton/yr major source threshold, and the boiler is no longer subject to CAM. MGPI therefore requests that the requirement to operate and maintain a COMS on EU-96 be removed from the permit.

Appendix A
IDEM Application Forms

AIR PERMIT APPLICATION COVER SHEET

State Form 50639 (R4 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this cover sheet is to obtain the core information needed to process the air permit application. This cover sheet is required for all air permit applications submitted to IDEM, OAQ. Place this cover sheet on top of all subsequent forms and attachments that encompass your air permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to **IDEM Air Permits Administration** using the address in the upper right hand corner of this page.
- IDEM will send a bill to collect the filing fee and any other applicable fees.
- Detailed instructions for this form are available on the Air Permit Application Forms website.

FOR OFFICE USE ONLY

PERMIT NUMBER:

DATE APPLICATION WAS RECEIVED:

1. Tax ID Number:

PART A: Purpose of Application

Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.

2. Source / Company Name: MGPI of Indiana, LLC | **3. Plant ID:** 029 – 31206

4. Billing Address: 7 Ridge Avenue

City: Lawrenceburg | **State:** IN | **ZIP Code:** 47025 –

5. Permit Level: ☐ Exemption ☐ Registration ☐ SSOA ☐ MSOP ☐ FESOP ☑ TVOP ☐ PBR

6. Application Summary: *Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.*

☐ Initial Permit
☑ Renewal of Operating Permit
☐ Asphalt General Permit
☐ Review Request
☐ Revocation of Operating Permit
☐ Alternate Emission Factor Request
☐ Interim Approval
☐ Relocation of Portable Source
☐ Acid Deposition (Phase II)
☐ Site Closure
☐ Emission Reduction Credit Registry

☐ Transition (between permit levels) *From:* *To:*

☐ Administrative Amendment:
☐ *Company Name Change*
☐ *Change of Responsible Official*
☐ *Correction to Non-Technical Information*
☐ *Notice Only Change*
☐ *Other (specify):*

☑ Modification:
☐ *New Emission Unit or Control Device*
☐ *Modified Emission Unit or Control Device*
☑ *New Applicable Permit Requirement*
☑ *Change to Applicability of a Permit Requirement*
☐ *Prevention of Significant Deterioration*
☐ *Emission Offset*
☐ *MACT Preconstruction Review*
☐ *Minor Source Modification*
☐ *Significant Source Modification*
☐ *Minor Permit Modification*
☐ *Significant Permit Modification*
☐ *Other (specify):*

7. Is this an application for an initial construction and/or operating permit for a **"Greenfield" Source**? ☐ Yes ☑ No

8. Is this an application for construction of a new emissions unit at an **Existing Source**? ☐ Yes ☑ No

Continued on Next Page

PART B: Pre-Application Meeting

Part B specifies whether a meeting was held or is being requested to discuss the permit application.

9. Was a meeting held between the company and IDEM prior to submitting this application to discuss the details of the project?

☑ No ☐ Yes: *Date:*

10. Would you like to schedule a meeting with IDEM management and your permit writer to discuss the details of this project?

☑ No ☐ Yes: *Proposed Date for Meeting:*

PART C: Confidential Business Information

Part C identifies permit applications that require special care to ensure that confidential business information is kept separate from the public file.

Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in the Indiana Administrative Code (IAC). To ensure that your information remains confidential, refer to the IDEM, OAQ information regarding submittal of confidential business information. For more information on confidentiality for certain types of business information, please review IDEM's Nonrule Policy Document Air-031-NPD regarding Emission Data.

11. Is any of the information contained within this application being claimed as **Confidential Business Information**?

☑ No ☐ Yes

PART D: Certification Of Truth, Accuracy, and Completeness

Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

For a Part 70 Operating Permit (TVOP) or a Source Specific Operating Agreement (SSOA), a "responsible official" as defined in 326 IAC 2-7-1(34) must certify the air permit application. For all other applicants, this person is an "authorized individual" as defined in 326 IAC 2-1.1-1(1).

☑ *I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.*

James Vinoski
Name *(typed)*

Plant Manager
Title

James Vinoski
Signature

7/13/12
Date

OAQ GENERAL SOURCE DATA APPLICATION
GSD-01: Basic Source Level Information

State Form 50640 (R5 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

PART A: Source / Company Location Information

1. **Source / Company Name**: MGPI of Indiana, LLC
2. **Plant ID**: 029 – 31206
3. **Location Address**: 7 Ridge Avenue
   City: Lawrenceburg **State**: IN **ZIP Code**: 47025 –
4. **County Name**: Dearborn
5. **Township Name**: Lawrenceburg
6. **Geographic Coordinates**:
   Latitude: 39 deg 06' 01" **Longitude**: 84 deg 51' 51"
7. **Universal Transferal Mercadum Coordinates** *(if known)*:
   Zone: 16 **Horizontal**: 684693 **Vertical**: 4330076
8. **Adjacent States**: Is the source located within 50 miles of an adjacent state?
   ☑ No ☐ Yes – *Indicate Adjacent State(s):* ☐ Illinois (IL) ☐ Michigan (MI) ☑ Ohio (OH) ☑ Kentucky (KY)
9. **Attainment Area Designation**: Is the source located within a non-attainment area for any of the criteria air pollutants?
   ☐ No ☑ Yes – *Indicate Nonattainment Pollutant(s):* ☐ CO ☐ Pb ☐ NO_x ☐ O_3 ☐ PM ☐ PM_{10} ☑ $PM_{2.5}$ ☐ SO_2
10. **Portable / Stationary**: Is this a portable or stationary source? ☐ Portable ☑ Stationary

PART B: Source Summary

11. **Company Internet Address** *(optional)*:
12. **Company Name History**: Has this source operated under any other name(s)?
    ☐ No ☑ Yes – *Provide information regarding past company names in Part I, Company Name History.*
13. **Portable Source Location History**: Will the location of the portable source be changing in the near future?
    ☑ Not Applicable ☐ No ☐ Yes – *Complete Part J, Portable Source Location History, and Part K, Request to Change Location of Portable Source.*
14. **Existing Approvals**: Have any exemptions, registrations, or permits been issued to this source?
    ☐ No ☑ Yes – *List these permits and their corresponding emissions units in Part M, Existing Approvals.*
15. **Unpermitted Emissions Units**: Does this source have any unpermitted emissions units?
    ☑ No ☐ Yes – *List all unpermitted emissions units in Part N, Unpermitted Emissions Units.*
16. **New Source Review**: Is this source proposing to construct or modify any emissions units?
    ☑ No ☐ Yes – *List all proposed new construction in Part O, New or Modified Emissions Units.*
17. **Risk Management Plan**: Has this source submitted a Risk Management Plan?
    ☑ Not Required ☐ No ☐ Yes → Date submitted: EPA Facility Identifier: – –

Continued on Next Page

PART C: Source Contact Information

IDEM will send the original, signed permit decision to the person identified in this section. This person MUST be an employee of the permitted source.

18. Name of Source Contact Person: William R. Graves		
19. Title *(optional)*: EHS Manager		
20. Mailing Address: P.O. Box 7		
City: Lawrenceburg	**State:** IN	**ZIP Code:** 47025 –
21. Electronic Mail Address *(optional)*: randy.graves@mgpingredients.com		
22. Telephone Number: (812) 532 – 4158	**23. Facsimile Number** *(optional)*: (812) 532 – 4216	

PART D: Authorized Individual/Responsible Official Information

IDEM will send a copy of the permit decision to the person indicated in this section, if the Authorized Individual or Responsible Official is different from the Source Contact specified in Part C.

24. Name of Authorized Individual or Responsible Official: James Vinoski		
25. Title: Plant Manager		
26. Mailing Address: P.O. Box 7		
City: Lawrenceburg	**State:** IN	**ZIP Code:** 47025 –
27. Telephone Number: (812) 532 – 4172	**28. Facsimile Number** *(optional)*: ( ) –	

29. Request to Change the Authorized Individual or Responsible Official: Is the source officially requesting to change the person designated as the Authorized Individual or Responsible Official in the official documents issued by IDEM, OAQ? *The permit may list the title of the Authorized Individual or Responsible Official in lieu of a specific name.*

☑ No ☐ Yes – ***Change Responsible Official to:***

PART E: Owner Information

30. Company Name of Owner: MGPI of Indiana, LLC		
31. Name of Owner Contact Person: William R. Graves		
32. Mailing Address: P.O. Box 7		
City: Lawrenceburg	**State:** IN	**ZIP Code:** 47025 –
33. Telephone Number: (812) 532 – 4158	**34. Facsimile Number** *(optional)*: ( ) –	

34. Operator: Does the "Owner" company also operate the source to which this application applies?

☐ No – *Proceed to Part F below.* ☑ Yes – *Enter "SAME AS OWNER" on line 35 and proceed to Part G below.*

PART F: Operator Information

35. Company Name of Operator: SAME AS OWNER		
36. Name of Operator Contact Person:		
37. Mailing Address:		
City:	**State:**	**ZIP Code:** –
38. Telephone Number: ( ) –	**39. Facsimile Number** *(optional)*: ( ) –	

Continued on Next Page

PART G: Agent Information

40. Company Name of Agent:

41. Type of Agent: ☑ Environmental Consultant ☐ Attorney ☐ Other (specify):

42. Name of Agent Contact Person: Mike Wieczorek, ENVIRON International Corporation

43. Mailing Address: 333 W. Wacker Dr. Suite 2700

City: Chicago	**State:** IL	**ZIP Code:** 60606 –

44. Electronic Mail Address *(optional)*: mwieczorek@environcorp.com

45. Telephone Number: (312) 288 – 3879	**46. Facsimile Number** *(optional)*: ( ) –

47. Request for Follow-up: Does the "Agent" wish to receive a copy of the preliminary findings during the public notice period (if applicable) and a copy of the final determination? ☐ No ☑ Yes

PART H: Local Library Information

48. Date application packet was filed with the local library: Anticipated by 7/20/2012

49. Name of Library: Lawrenceburg Public Library

50. Name of Librarian *(optional)*:

51. Mailing Address: 150 Mary Street

City: Lawrenceburg	**State:** IN	**ZIP Code:** 47025 –

52. Internet Address *(optional)*:

53. Electronic Mail Address *(optional)*:

54. Telephone Number: (812) 537 – 2775	**55. Facsimile Number** *(optional)*: (812) 537 – 2810

PART I: Company Name History *(if applicable)*

Complete this section only if the source has previously operated under a legal name that is different from the name listed above in Section A.

56. Legal Name of Company	**57. Dates of Use**
MGPI of Indiana, LLC	12/2011 to present
Lawrenceburg Distillers Indiana, LLC	07/2007 to 12/2011
Pernod Ricard USA, Seagram Lawrenceburg Distillery	04/2002 to 06/2007
Joseph E. Seagram and Sons, Inc.	start of op. to 03/2002
	to
	to
	to
	to
	to
	to

58. Company Name Change Request: Is the source officially requesting to change the legal name that will be printed on all official documents issued by IDEM, OAQ?

☑ No ☐ Yes – ***Change Company Name to:***

Continued on Next Page

PART J: Portable Source Location History *(if applicable)*

Complete this section only if the source is portable and the location has changed since the previous permit was issued. The current location of the source should be listed in Section A.

59. Plant ID	60. Location of the Portable Source	61. Dates at this Location
N/A –		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
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–		to
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–		to

PART K: Request to Change Location of Portable Source *(if applicable)*

Complete this section to request a change of location for a portable source.

62. Current Location: N/A

Address:

City: | **State:** | **ZIP Code:** –

County Name:

63. New Location:

Address:

City: | **State:** | **ZIP Code:** –

County Name:

Continued on Next Page

PART L: Source Process Description

Complete this section to summarize the main processes at the source.

64. Process Description	65. Products	66. SIC Code	67. NAICS Code
Food and Kindred Spirits	Distilled and Blended Liquors	2085	31214

PART M: Existing Approvals *(if applicable)*

Complete this section to summarize the approvals issued to the source since issuance of the main operating permit.

68. Permit ID	69. Emissions Unit IDs	70. Expiration Date
	See Section 2 of Application	

PART N: Unpermitted Emissions Units *(if applicable)*

Complete this section only if the source has emission units that are not listed in any permit issued by IDEM, OAQ.

71. Emissions Unit ID	72. Type of Emissions Unit	73. Actual Dates		
		Began Construction	Completed Construction	Began Operation
N/A				

PART O: New or Modified Emissions Units *(if applicable)*

Complete this section only if the source is proposing to add new emission units or modify existing emission units.

74. Emissions Unit ID	75. NEW	76. MOD	77. Type of Emissions Unit	78. Estimated Dates		
				Begin Construction	Complete Construction	Begin Operation
N/A						

OAQ PERMIT RENEWAL APPLICATION
Air Permit Renewal Checklist
State Form 51755 (R2 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of the Air Permit Application Renewal Checklist is to provide a worksheet for quickly assessing whether the air permit renewal application includes all necessary information.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Air Permit Renewal Checklist			
Complete the checklist, placing a check in the box corresponding to the completion status of each item listed.		**INFORMATION PROVIDED**	**NOT APPLICABLE**
1.	Original Air Operating Permit Number: 029-24407		
2.	Air Permit Application Cover Sheet – includes application tracking information and the signed certification for the renewal application	☑	☐
3.	General Source Data (GSD-01) Form – includes basic source information, contact information, process/emissions unit update information, and local library information	☑	☐
4.	Compliance Schedule and Certification (CD-04) Form *(Title V Sources Only)*.	☑	☐
5.	Compliance Assurance Monitoring (CAM) Form - FED-03 *(Title V Sources Only)*.	☐	☑
6.	List of exempt, trivial and/or insignificant activities added since issuance of the original permit *(if applicable)*	☐	☑
7.	List of emission units removed since issuance of the original permit *(if applicable)*	☑	☐
8.	List of all Notice Only Changes, Administrative Amendments, Revisions, and/or Modifications to the original Air Operating Permit.	☑	☐
	⇒ List Permit Numbers Below:		
	029-26489-00005		
	029-31206-00005		
9.	Documentation illustrating any changes to the original operating permit needed/requested beyond what has already been approved through a permit action.	☑	☐
10.	The responsible official (or authorized individual) has certified the air permit application by signing the application cover sheet.	☑	☐
11.	Notes: This space is being provided for inclusion of any additional notes that may assist IDEM, OAQ in preparing the renewal permit. You may also attach a letter to the air permit renewal application if additional clarification is needed.		

OAQ COMPLIANCE DETERMINATION APPLICATION
CD-04: Compliance Schedule and Certification

State Form 51864 (R2 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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NOTES:

- The purpose of CD-04 is to provide a schedule of for compliance certification submittals, a certification of the source's compliance status with all applicable requirements, and a compliance schedule that details the measures a source will use to address non-compliance.
- Complete this form once per application (not once for each emissions unit) with respect to all applicable requirements at the source.
- This is required form for each initial Title V permit application as well as each modification and every renewal.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Source Identification and Compliance Schedule

Part A identifies the permitted source and the permit term compliance certification schedule.

1. Source Name: MGPI of Indiana, LLC	**2. Source ID:** 029 – 31206
3. Permit Term Compliance Certification Schedule	
Date of first certification submittal: 7/1/03	**Frequency of future submittals:** Annually

PART B: Risk Management Plan

Part B indicates whether sources subject to section 112(r), Accidental Release Prevention, are complying with the requirement to submit a Risk Management Plan (RMP).

4. Statement of Applicability / Non-Applicability: Indicate whether the source is subject to Section 112(r) and the requirement to submit and RMP.

☐ Source is subject to Section 112(r) and a Risk Management Plan (RMP) is required.

☑ Source is not subject to Section 112(r) and a Risk Management Plan (RMP) is not required.

RMP Submittal Information: Indicate when the RMP was submitted to each of the following agencies. If the RMP has not yet been submitted to any of the listed agencies, indicate the date when the RMP will be mailed to that agency. If the RMP for IDEM is attached to this application, please write "attached" in the Date Submitted column.

5. Agency Name	6. Date Submitted	7. Expected Submittal Date
Chemical Safety and Hazard Investigation Board (CSHIB)		
United States Environmental Protection Agency (U.S. EPA)		
Indiana Department of Environmental Management (IDEM)		
Local Agency responsible for permitting:		

8. EPA Facility Identifier: — —

Continued on Next Page

PART C: Certification of Source Compliance Status

Part C states whether the source is or is not in full compliance with all applicable requirements and to identify corrective actions to be taken in cases of noncompliance.

9. Check the Most Accurate Statement.

- ☑ The source described in this air pollution control permit application is fully in compliance with all applicable requirements and will continue to comply with those requirements.
- ☐ FORM CD-01 includes new requirements that apply or will apply to the emissions unit during the term of the permit. The source will meet such requirements on a timely basis.
- ☐ The source described in this air pollution control permit application is fully in compliance with all applicable requirements, except for the emissions unit(s) listed below. Compliance will be achieved according to the schedule identified below.

10. Unit ID	11. Applicable Requirement	12. Corrective Action	13. Deadline	14. Progress Reports	
				Start Date	Frequency

15. Signature of Responsible Official

☑ I certify that, based on information and belief formed after reasonable inquiry, the statements and information presented are true, accurate and complete.

James Vinoski
Name *(typed)*

Plant Manager
Title

James Vinoski
Signature

7/13/12
Date

OAQ FEDERAL RULE INCORPORATION APPLICATION
FED-01: Summary of Federal Requirements – NSPS & NESHAP

State Form 53512 (R / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53, Room 1003
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NOTES:

- The purpose of this form is to provide a standardized way for sources to identify the NSPS or NESHAP requirements that are applicable to the regulated source. Complete one (1) form for each federal rule that applies to the source. This is a required form.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record.

Part A: Identification of Applicable Standard

Part A identifies the applicable standard and affected source.

1. Type of Standard:	☐ Part 60 NSPS ☐ Part 61 NESHAP	☑ Part 63 NESHAP (MACT)
2. Subpart Letter:	ZZZZ	
3. Source Category Name:	Reciprocating Internal Combustion Engines	
4. Affected Source *(Include all applicable emission unit IDs)*:	Emergency Olympian Generator (Insignificant Activity)	

Part B: Applicable Requirements

Part B specifies the specific requirements of the federal rule that are applicable to the process or emission unit.

5. Applicable Requirements: *Identify the section of the federal standard that is applicable at the lowest subsection level. For example, if all of 40 CFR 63.342(c) is applicable, "40 CFR 63.342(c)" is the appropriate citation. If only paragraph 2 of 40 CFR 63.342(c) is applicable, then the appropriate citation is 40 CFR 63.342(c)(2).*

- 40 CFR 63.6640(f)(2)

Continued on Next Page

Part C: Performance Testing Requirements

Part C identifies the performance testing requirements that are applicable to the process or emission unit.

6. Performance Testing:	No requirements
7. Date of Initial Performance Test:	
8. Test Methods:	
9. Was the initial performance test approved by IDEM?	☐ Yes: *Date approved:* _____ ☐ No
10. Did the initial performance test show compliance with the rule?	☐ Yes ☐ No: *Date of next performance test:* _____

Part D: Important Dates

Part D identifies specific dates associated with the federal standard that are applicable to the process or emission unit.

11. Date Initial Notification was Submitted:	N/A	
12. Initial Compliance Date:	☐ Startup: _____	☑ Other: 6/15/2007
13. Other Dates	Description: _____	Date: _____
	Description: _____	Date: _____
	Description: _____	Date: _____

Part E: Other Information

Part E identifies any additional information pertaining to the applicable federal rule. Attach additional information using form GSD-09 as necessary.

This FED-01 form addresses 40 CFR 63 Subpart ZZZZ applicability to the existing emergency use RICE at the source that is rated at greater than 500 hp.

OAQ FEDERAL RULE INCORPORATION APPLICATION
FED-01: Summary of Federal Requirements – NSPS & NESHAP

State Form 53512 (R / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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NOTES:

- The purpose of this form is to provide a standardized way for sources to identify the NSPS or NESHAP requirements that are applicable to the regulated source. Complete one (1) form for each federal rule that applies to the source. This is a required form.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record.

Part A: Identification of Applicable Standard

Part A identifies the applicable standard and affected source.

1. Type of Standard:	☐ Part 60 NSPS ☐ Part 61 NESHAP	☑ Part 63 NESHAP (MACT)
2. Subpart Letter:	ZZZZ	
3. Source Category Name:	Reciprocating Internal Combustion Engines	
4. Affected Source *(include all applicable emission unit IDs)*:	Emergency Generac Generator, Detroit Clark 0DFP0447 Emergency Fire Water Pump (Insignificant Activities)	

Part B: Applicable Requirements

Part B specifies the specific requirements of the federal rule that are applicable to the process or emission unit.

5. Applicable Requirements: *Identify the section of the federal standard that is applicable at the lowest subsection level. For example, if all of 40 CFR 63.342(c) is applicable, "40 CFR 63.342(c)" is the appropriate citation. If only paragraph 2 of 40 CFR 63.342(c) is applicable, then the appropriate citation is 40 CFR 63.342(c)(2).*

- 63.6602 (Table 2c)
- 63.6625(e), (f), (h), (i)
- 63.6655(a), (b), (d), (e), (f)
- 63 Subpart A except 63.7(b),(c)
- 63 Subpart A except 68(e),(f)(4),(f)(6)
- 63 Subpart except 63.9(b)-(e),(g),(h)

Continued on Next Page

Part C: Performance Testing Requirements

Part C identifies the performance testing requirements that are applicable to the process or emission unit.

6. Performance Testing:	No requirements	
7. Date of Initial Performance Test:		
8. Test Methods:		
9. Was the initial performance test approved by IDEM?	☐ Yes: *Date approved:* _____	☐ No
10. Did the initial performance test show compliance with the rule?	☐ Yes	☐ No: *Date of next performance test:* _____

Part D: Important Dates

Part D identifies specific dates associated with the federal standard that are applicable to the process or emission unit.

11. Date Initial Notification was Submitted:	N/A	
12. Initial Compliance Date:	☐ Startup: _____	☑ Other: 5/3/2013
13. Other Dates	Description: _____	Date: _____
	Description: _____	Date: _____
	Description: _____	Date: _____

Part E: Other Information

Part E identifies any additional information pertaining to the applicable federal rule. Attach additional information using form GSD-09 as necessary.

This FED-01 form addresses 40 CFR 63 Subpart ZZZZ applicability to the existing emergency use RICE at the source that are rated at less than or equal to 500 hp.

OAQ FEDERAL RULE INCORPORATION APPLICATION
FED-01: Summary of Federal Requirements – NSPS & NESHAP

State Form 53512 (R / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
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NOTES:

- The purpose of this form is to provide a standardized way for sources to identify the NSPS or NESHAP requirements that are applicable to the regulated source. Complete one (1) form for each federal rule that applies to the source. This is a required form.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record.

Part A: Identification of Applicable Standard

Part A identifies the applicable standard and affected source.

1. Type of Standard:	☐ Part 60 NSPS ☐ Part 61 NESHAP	☑ Part 63 NESHAP (MACT)
2. Subpart Letter:	DDDDD	
3. Source Category Name:	Industrial, Commercial, and Institutional Boilers and Process Heaters	
4. Affected Source *(Include all applicable emission unit IDs)*:	EU-96, EU-97	

Part B: Applicable Requirements

Part B specifies the specific requirements of the federal rule that are applicable to the process or emission unit.

5. Applicable Requirements: *Identify the section of the federal standard that is applicable at the lowest subsection level. For example, if all of 40 CFR 63.342(c) is applicable, "40 CFR 63.342(c)" is the appropriate citation. If only paragraph 2 of 40 CFR 63.342(c) is applicable, then the appropriate citation is 40 CFR 63.342(c)(2).*

• 63.7490(a), (d)	• 63.7545(h)	•
• 63.7495(b)	• 63.7550(b)	•
• 63.7499(l)	• 63.7550(c)	•
• 63.7500(a)(1), (a)(3)	• 63.7550(f)	•
• 63.7510(e)	• 63.7555(a)(1)	•
• 63.7515(e)	• 63.7555(h)	•
• 63.7530(e)	• 63.7560(a) - (c)	•
• 63.7540(a)(10)	•	•
• 63.7540(a)(12)	•	•
• 63.7540(b)	•	•
• 63.7545(b)	•	•
• 63.7545(f)	•	•

Continued on Next Page

Part C: Performance Testing Requirements

Part C identifies the performance testing requirements that are applicable to the process or emission unit.

6. Performance Testing:	N/A; one-time energy assessment and annual tune-ups only	
7. Date of Initial Performance Test:		
8. Test Methods:	N/A	
9. Was the initial performance test approved by IDEM?	☐ Yes: *Date approved:* _____	☐ No
10. Did the initial performance test show compliance with the rule?	☐ Yes	☐ No: *Date of next performance test:* _____

Part D: Important Dates

Part D identifies specific dates associated with the federal standard that are applicable to the process or emission unit.

11. Date Initial Notification was Submitted:	Pending Final Promulgation of Reconsidered Boilere MACT	
12. Initial Compliance Date:	☐ Startup: _____	☑ Other: TBD
13. Other Dates	Description: _____	Date: _____
	Description: _____	Date: _____
	Description: _____	Date: _____

Part E: Other Information

Part E identifies any additional information pertaining to the applicable federal rule. Attach additional information using form GSD-09 as necessary.

The regulatory requirements listed above are taken from 40 CFR 63 Subpart DDDDD, issued as final on March 21, 2011 [76 FR 15608]. These rules are currently under reconsideration; USEPA issued a proposed reconsidered regulation on December 23, 2011 [76 FR 80598]. Once this proposed rule is finalized, the list of applicable requirements under the regulation may differ from the citations listed in Part B above. The reconsidered Boiler MACT will also specify a new initial compliance date which will depend on its date of final promulgation.

OAQ GENERAL SOURCE DATA APPLICATION
GSD-04: Stack / Vent Information

State Form 51606 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
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Facsimile Number: (317) 232-6749
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NOTES:

- The purpose of this form is to provide basic information about each stack or vent that has the potential to emit air pollutants. If you do not provide enough information to adequately describe each process vent and/or stack, the application process may be stopped. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Stack / Vent Information

This table provides detailed information about each stack or vent through which air pollutants could be released into the atmosphere. If an air stream is vented inside a building, the vent does not need to be listed on this form. If additional space is needed, you may make a copy of this form.

1. Stack / Vent ID	2. Type (V H W O)	3. Shape (C R O)	4. Outlet Dimensions (feet)	5. Height (feet)	6. Maximum Outlet Flow Rate (acfm)	7. Outlet Gas Temperature (Degrees F)	8. Related Stacks / Vents (B P O)
103	V	C	2	216	12,600	68	
104	H	C	2	180	6,000	68	
111	V	R	1.5 X 1.08	8	15,000	68	
112	H	C	0.83	216	1,354	68	
201	H	C	0.67	8	1,500	68	
202	V	C	0.33	50	8	68	
203	H	C	0.67	8	200	68	
204	H	C	2	8	1,000	68	
205	V	C	0.67	212	relief valve only	120	
206	V	C	0.67	212	relief valve only	120	
207	V	C	0.67	212	relief valve only	120	
209	V	C	0.67	212	relief valve only	120	
210	V	C	0.67	212	relief valve only	120	
211	V	C	0.67	212	relief valve only	120	

MGP-EPA0000310

OAQ GENERAL SOURCE DATA APPLICATION
GSD-04: Stack / Vent Information

State Form 51606 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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NOTES:

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1. Stack / Vent ID	2. Type (V H W O)	3. Shape (C R O)	4. Outlet Dimensions (feet)	5. Height (feet)	6. Maximum Outlet Flow Rate (acfm)	7. Outlet Gas Temperature (Degrees F)	8. Related Stacks / Vents (B P O)
301	H	R	1 X 1	30	6,000	120	
302	H	R	1 X 1	30	6,000	120	
303	V	C	0.92	30	500	120	
304	V	C	0.92	30	500	120	
305	V	C	2	30	2,500	200	
306	V	C	2	30	2,500	200	
307	V	C	2	30	2,500	200	
308	V	C	2	30	2,500	200	
309	V	C	2	30	2,500	200	
310	V	C	1.5	30	5,000	120	

MGP-EPA000311

OAQ GENERAL SOURCE DATA APPLICATION
GSD-04: Stack / Vent Information

State Form 51606 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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NOTES:

- The purpose of this form is to provide basic information about each stack or vent that has the potential to emit air pollutants. If you do not provide enough information to adequately describe each process vent and/or stack, the application process may be stopped. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
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Stack / Vent Information

This table provides detailed information about each stack or vent through which air pollutants could be released into the atmosphere. If an air stream is vented inside a building, the vent does not need to be listed on this form. If additional space is needed, you may make a copy of this form.

1. Stack / Vent ID	2. Type (V H W O)	3. Shape (C R O)	4. Outlet Dimensions (feet)	5. Height (feet)	6. Maximum Outlet Flow Rate (acfm)	7. Outlet Gas Temperature (Degrees F)	8. Related Stacks / Vents (B P O)
341	V	C	0.5	50	905	68	
342	V	C	0.5	50	905	68	
343	V	C	0.33	15	86	68	
344	V	C	0.33	15	86	68	
350	V	C	0.5	20	905	68	
360	V	C	0.5	20	905	68	
370	V	C	0.5	20	905	68	
380	V	C	0.5	20	905	68	
410	V	C	0.25	50	40	68	
420	V	C	0.5	50	250	68	
430	V	C	0.33	60	40	68	
435	V	C	0.33	60	40	68	

OAQ GENERAL SOURCE DATA APPLICATION
GSD-04: Stack / Vent Information

State Form 51606 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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NOTES:

- The purpose of this form is to provide basic information about each stack or vent that has the potential to emit air pollutants. If you do not provide enough information to adequately describe each process vent and/or stack, the application process may be stopped. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
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Stack / Vent Information

This table provides detailed information about each stack or vent through which air pollutants could be released into the atmosphere. If an air stream is vented inside a building, the vent does not need to be listed on this form. If additional space is needed, you may make a copy of this form.

1. Stack / Vent ID	2. Type (V H W O)	3. Shape (C R O)	4. Outlet Dimensions (feet)	5. Height (feet)	6. Maximum Outlet Flow Rate (acfm)	7. Outlet Gas Temperature (Degrees F)	8. Related Stacks / Vents (B P O)
610	Fugitive						
701	Fugitive						
702	Fugitive						
703	Fugitive						
704	Fugitive						
705	Fugitive						
706	Fugitive						
810	Fugitive						
906	V	C	7	275	87,000	350	
907	V	C	3.3	32	13,000	350	

MGP-EPA000313

OAQ GENERAL SOURCE DATA APPLICATION
GSD-05: Emissions Unit Information

State Form 51810 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
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Facsimile Number: (317) 232-6749
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NOTES:

- The purpose of this form is to provide basic information about each emissions unit that has the potential to emit air pollutants. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Emissions Unit Information

This table provides detailed information about each emissions unit that has the potential to emit air pollutants to the atmosphere. Accurate information is needed to determine the total potential to emit. If you do not provide enough information to adequately describe each emissions unit, the application process may be stopped. If additional space is needed, you may make a copy of this form.

1. Unit ID	2. Model Number	3. Serial Number	4. Description	5. Manufacturer	6. Installation Date	7. Maximum Capacity	8. Stack / Vent ID
11	n/a		Pneumatic Conveyor	Custom	pre-1950	28 ton/hr	103
12	n/a		Unloading Hopper	Smoot	1997	196 ton/hr	111
12	n/a		Conveyor and Bucket Elevator	Smoot	1997	196 ton/hr	111
12	n/a		Corn Silo	Smoot	1997	75,000 Bu.	111
12	n/a		Grain Cleaner	Smoot	1997	26.6 ton/hr	111
12	n/a		Grain Transport System	Smoot	1997	26.6 ton/hr	112
13	n/a		Grain Bins (5 @ 8,000 Bu, 2 @ 4,000 Bu)	Custom/Unknown	pre-1950	8,000 & 4,000 Bu	Indoor Fug.
14	n/a		Hammermills (6)	Custom/Unknown	pre-1950	109,760 lb/hr tot.	104
20	n/a		Spirits Still V-2 (multicolumn - 3)	Custom/Unknown	pre-1950	583 pg/hr	210
20	n/a		Spirits Still V-3 (multicolumn - 3)	Custom/Unknown	pre-1950	750 pg/hr	210
20	n/a		Spirits Still V-15 (multicolumn - 6)	Custom/Unknown	pre-1950	3,750 pg/hr	210
20	n/a		Distillation Columns (5)	Custom/Unknown	pre-1950	--	210
21	n/a		Open Fermenters (11 new & 3 old)	Custom/Unknown	pre-1950 / 2004-06	25,300 & 27,854	201
22	n/a		Closed Fermenters (24)	Custom/Unknown	pre-1950	55,000 gal ea	202
23	n/a		Beer Well #1	Custom/Unknown	pre-1950	38,886 gal	203
24	n/a		Beer Well #3	Custom/Unknown	pre-1950	102,098 gal	204

OAQ GENERAL SOURCE DATA APPLICATION
GSD-05: Emissions Unit Information

State Form 51610 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide basic information about each emissions unit that has the potential to emit air pollutants. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Emissions Unit Information

This table provides detailed information about each emissions unit that has the potential to emit air pollutants to the atmosphere. Accurate information is needed to determine the total potential to emit. If you do not provide enough information to adequately describe each emissions unit, the application process may be stopped. If additional space is needed, you may make a copy of this form.

1. Unit ID	2. Model Number	3. Serial Number	4. Description	5. Manufacturer	6. Installation Date	7. Maximum Capacity	8. Stack / Vent ID
25	n/a		Beer Still 25	Custom/Unknown	pre-1950	4,600 gal/hr	205
25	n/a		Beer Still 26	Custom/Unknown	pre-1950	14,600 gal/hr	205
25	n/a		Beer Still 31	Custom/Unknown	pre-1950	12,000 gal/hr	205
26	n/a		Column & Kettles (2) #33, #37	Custom/Unknown	pre-1950	727 pg/hr ea	206
27	n/a		Gin Stills (3) #10, #22, #23	Custom/Unknown	pre-1950	600 pg/hr ea	207
29	n/a		Doubler Still	Custom/Unknown	pre-1950	672 pg/hr	209
31	n/a		Paddle Screens (4)	Custom/Unknown	pre-1950	56,000 lb/hr ea	301
32	n/a		Rotary Dryer	Custom/Unknown	pre-1950	25,500 lb/hr	305
32	n/a		Rotary Dryer	Custom/Unknown	pre-1950	25,500 lb/hr	306
32	n/a		Rotary Dryer	Custom/Unknown	pre-1950	14,500 lb/hr	307
32	n/a		Rotary Dryer	Custom/Unknown	pre-1950	14,500 lb/hr	308
32	n/a		Rotary Dryer	Custom/Unknown	pre-1950	14,500 lb/hr	309
32	n/a		Cooler and Transport System	Custom/Unknown	pre-1950	6.5 ton/hr	310

OAQ GENERAL SOURCE DATA APPLICATION
GSD-05: Emissions Unit Information
State Form 51610 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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NOTES:

- The purpose of this form is to provide basic information about each emissions unit that has the potential to emit air pollutants. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Emissions Unit Information

This table provides detailed information about each emissions unit that has the potential to emit air pollutants to the atmosphere. Accurate information is needed to determine the total potential to emit. If you do not provide enough information to adequately describe each emissions unit, the application process may be stopped. If additional space is needed, you may make a copy of this form.

1. Unit ID	2. Model Number	3. Serial Number	4. Description	5. Manufacturer	6. Installation Date	7. Maximum Capacity	8. Stack / Vent ID
33	n/a		Conveyor	Custom/Unknown	pre-1950	38,000 lb/hr	302
33	n/a		Conveyor	Custom/Unknown	pre-1950	38,000 lb/hr	303
33	n/a		Conveyor	Custom/Unknown	pre-1950	38,000 lb/hr	304
34	n/a		DDG Silos (2)	Custom/Unknown	1997	13,100 cu ft	341-342
34	n/a		Surge Hopper #1 & #2	Custom/Unknown	1997	7 ton/hr ea	343-344
35	n/a		Air Transport system and scale - rail	Custom/Unknown	1997	7 ton/hr	350
36	n/a		Air Transport system and scale - truck	Custom/Unknown	1997	7 ton/hr	360
37	n/a		DDG Rail car Loader	Custom/Unknown	1997	7 ton/hr	370
38	n/a		DDG Truck Loader	Custom/Unknown	1997	7 ton/hr	380
41	n/a		Wine Room Tanks (35)	Custom/Unknown	pre-1950	467,517 gal tot	410
41	n/a		Wine Room Tanks (8)	Custom/Unknown	1988	56,986 gal tot	410
42	n/a		Tank Farm (9)	Custom/Unknown	pre-1950	750,000 gal ea	420
43	n/a		Bldg 88 (27)	Custom/Unknown	1989	489,250 gal tot	430
43	n/a		Rum Handling (3,501,429 gal)	Custom/Unknown	1997	3,501,429 gal	430

OAQ GENERAL SOURCE DATA APPLICATION
GSD-05: Emissions Unit Information
State Form 51610 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Facsimile Number: (317) 232-6749
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NOTES:

- The purpose of this form is to provide basic information about each emissions unit that has the potential to emit air pollutants. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Emissions Unit Information

This table provides detailed information about each emissions unit that has the potential to emit air pollutants to the atmosphere. Accurate information is needed to determine the total potential to emit. If you do not provide enough information to adequately describe each emissions unit, the application process may be stopped. If additional space is needed, you may make a copy of this form.

1. Unit ID	2. Model Number	3. Serial Number	4. Description	5. Manufacturer	6. Installation Date	7. Maximum Capacity	8. Stack / Vent ID
45	n/a		Mini Tank Farm (7)	Custom/Unknown	1989	779,800 gal tot	435
45	n/a		Mini Tank Farm (1)	Custom/Unknown	1994	3,500 gal	435
61	n/a		Barrell Filling & Emptying	Custom/Unknown	pre-1950	29,700 gph	810
71	n/a		Warehouse C	Custom/Unknown	pre-1950	69,306 bbl	701
72	n/a		Warehouse E	Custom/Unknown	pre-1950	101,032 bbl	702
73	n/a		Warehouse G	Custom/Unknown	pre-1950	84,097 bbl	703
74	n/a		Warehouse J&M	Custom/Unknown	pre-1950	100,000 bbl	704
75	n/a		Warehouse L	Custom/Unknown	pre-1950	93,438 bbl	705
76	n/a		Warehouse N	Custom/Unknown	pre-1950	93,405 bbl	706
81	n/a		Facility Equipment Leak Fugitives	Custom/Unknown	pre-1950	--	810
96	n/a		Boiler #6	Custom/Unknown	1977	244 MMBtuhr	906
97	n/a		Auxiliary Boiler	Custom/Unknown	1992	47.6MMBtuhr	907
46	n/a		Loading Rack System	Custom/Unknown	1989	31 MMgal/yr	--

MGP-EPA000317

OAQ GENERAL SOURCE DATA APPLICATION
GSD-06: Particulate Emissions Summary

State Form 51612 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide basic information about each source of particulate emissions. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Particulate Matter Emissions

Part A provides a summary of the type and amount of particulate emissions at the source. The state rules on particulate emissions are found in Title 326 of the Indiana Administrative Code, Article 6, Particulate Rules. If you do not provide enough information to adequately describe each source of particulate emissions, the application process may be stopped. If additional space is needed, you may make a copy of this table.

Emissions Point		Potential To Emit (tons per year)						
1. ID	2. Description	3. PM	4. PM-10	5. PM-2.5	6. TSP	7. Fugitive Dust	8. Fugitive PM	9. HAP PM
	See Tables B-1 through B-8							

Continued on Next Page

Part B: Control of Particulate Emissions

Part C gathers information about how each source of particulate emissions is controlled. If you do not provide enough information to adequately describe how each source of particulate emissions is controlled, the application process may be stopped. If additional space is needed, you may make a copy of this table.

10. Emissions Point ID	11. Control Measure	12. Control Measure Description	13. Control Plan
EU-96, EU-97	☑ No Control ☐ Dust Suppression ☐ Other:	Electrostatic Precipitator control no longer required for EU-96 (Boiler 6), since unit will only combust natural gas.	☐ Yes ☑ No Date Submitted:
EU-11, 12	☐ No Control ☐ Dust Suppression ☑ Other: filter	Filter control: PM emissions < 0.03 gr/scf	☑ Yes ☐ No Date Submitted: 9/5/2002
EU-13	☐ No Control ☐ Dust Suppression ☑ Other: filter	Filter control: PM emissions < 0.03 gr/scf	☑ Yes ☐ No Date Submitted: 9/5/2002
EU-14	☐ No Control ☐ Dust Suppression ☑ Other: filter	Filter control: PM emissions < 0.03 gr/scf	☑ Yes ☐ No Date Submitted: 9/5/2002
EU-32	☐ No Control ☐ Dust Suppression ☑ Other: filter	Filter control: PM emissions < 0.03 gr/scf	☑ Yes ☐ No Date Submitted: 9/5/2002
EU-34	☐ No Control ☐ Dust Suppression ☑ Other: filter	Filter control: PM emissions < 0.03 gr/scf	☑ Yes ☐ No Date Submitted: 9/5/2002
EU-35, -36	☐ No Control ☐ Dust Suppression ☑ Other: filter	Filter control: PM emissions < 0.03 gr/scf	☑ Yes ☐ No Date Submitted: 9/5/2002
	☐ No Control ☐ Dust Suppression ☐ Other:		☐ Yes ☐ No Date Submitted:

Air Permitting Rules 326 IAC 6-4 and 326 IAC 6-5 require fugitive dust to be controlled as needed to prevent dust from visibly crossing property lines. Parts C and D summarize sources of fugitive particulate emissions from process operations and unpaved roads.

PART C: Fugitive Dust *(if applicable)*

Part C identifies measures implemented for controlling fugitive particulate emissions from process operations and unpaved roads.

14. Dust Control Plans: *Check all that apply*	**15. Control Measures:**	
☐ Conveying:	☐ Wet	☐ Dry
☐ Stock Piles:	☐ Open	☐ Covered
☐ Unpaved Roads: *Watered?*	☐ Yes	☐ No
☐ Other *(specify)*:		
☐ Other *(specify)*:		
☐ Other *(specify)*:		

PART D: Vehicular Traffic on Unpaved Roads *(if applicable)*

Part D gathers information on vehicular traffic patterns when the site contains unpaved roads. All data should be provided assuming peak hours of vehicular traffic. Two one-way trips equal one round trip. For external traffic (vehicles entering and leaving the property lines), the distance from the plant to the property line is the one-way trip distance.

16. Average Silt Content of Unpaved Roads:

17. Vehicle Description	**18. Max. No. round trips at peak hours** (trips/hr)	**19. Distance of one-way trip** (miles/trip)	**20. Max. vehicle speed** (mph)	**21. Max. gross vehicle weight** *(fully loaded)* (tons)	**22. Tare weight** (tons)	**23. No. of wheels on vehicle** (wheels)

OAQ GENERAL SOURCE DATA APPLICATION
GSD-07: Criteria Pollutant Emissions Summary

State Form 51602 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide the actual and potential emissions of each criteria pollutant emitted from the source. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Unit Emissions Summary

Part A provides the actual and potential emissions of each criteria pollutant emitted from each emissions unit. If you do not provide enough information to adequately describe the emissions from each emissions unit, the application process may be stopped.

1. Unit ID	2. Stack / Vent ID	3. Criteria Pollutant	4. Actual Emissions		5. Potential To Emit	
			Standard Units	Tons Per Year	Standard Units	Tons Per Year
11	103	PM, PM10, PM2.5	See emission calculations		See emission calculations	
12	111-112	PM, PM10, PM2.5	in Appendix B		in Appendix B	
13	Indoor Fug.	PM, PM10, PM2.5				
14	104	PM, PM10, PM2.5				
21	201	VOC				
22	202	VOC				
23-24	203-204	VOC				
20, 25-29	205-210,211	VOC				
31,33	301-304	VOC (Spirits System)				
31,33	301-304	VOC (Whiskey System)				
32	305-310	PM, PM10, PM2.5, VOC				
34-36	341-344,350,360	PM, PM10, PM2.5				
37-38	370,380	PM, PM10, PM2.5				

Continued on Next Page

OAQ GENERAL SOURCE DATA APPLICATION
GSD-07: Criteria Pollutant Emissions Summary

State Form 51602 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
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Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide the actual and potential emissions of each criteria pollutant emitted from the source. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Unit Emissions Summary

Part A provides the actual and potential emissions of each criteria pollutant emitted from each emissions unit. If you do not provide enough information to adequately describe the emissions from each emissions unit, the application process may be stopped.

1. Unit ID	2. Stack / Vent ID	3. Criteria Pollutant	4. Actual Emissions		5. Potential To Emit	
			Standard Units	Tons Per Year	Standard Units	Tons Per Year
41	410	VOC	See emission calculations		See emission calculations	
42	420	VOC	in Appendix B		in Appendix B	
43	430	VOC				
45	435	VOC				
61	610 (Whiskey)	VOC				
61	610 (Gin)	VOC				
81	810	VOC				
71-76	Fugitive	VOC				
96	906	PM, PM10/2.5, NOx, CO, VOC, SO2				
97	907	PM, PM10/2.5, NOx, CO, VOC, SO2				
46	--	VOC				

Continued on Next Page

Part B: Pollutant Emissions Summary

Part B provides the total actual and potential emissions of each criteria pollutant emitted from the source (including all emissions units and fugitive emissions at the source). If you do not provide enough information to adequately describe the total source emissions, the application process may be stopped.

6. Criteria Pollutant	7. Actual Emissions		8. Potential To Emit	
	Standard Units	Tons Per Year	Standard Units	Tons Per Year
Carbon Monoxide (CO)	See Tables B-1 and B-2		See Tables B-1 and B-2	
Lead (Pb)				
Nitrogen Oxides (NO_X)				
Particulate Matter (PM)				
Particulate Matter less than 10μm (PM_{10})				
Particulate Matter less than 2.5μm ($PM_{2.5}$)				
Sulfur Dioxide (SO_2)				
Volatile Organic Compounds (VOC)				
Other *(specify)*:				

Part C: Fugitive VOC Emissions *(if applicable)*

Part C summarizes the sources of fugitive VOC emissions at the source and estimates VOC emissions from these emission points. Complete this table if you are required to provide fugitive emissions data pursuant to 326 IAC 2-2 or 326 IAC 2-3.

9. Fugitive Emissions Source	10. Emission Factor (lb/hr)	11. Number Leaking	12. Uncontrolled Potential To Emit	
			Pounds Per Hour	Tons Per Year
Compressor Seals	See Table B-4			
Flanges	(EU-81)			
Open-Ended Lines				
Pressure Relief Seals				
Pump Seals				
Sampling Connections				
Valves				
Other *(specify)*:				

OAQ GENERAL SOURCE DATA APPLICATION
GSD-08: Hazardous Air Pollutant Emissions Summary

State Form 51604 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide the actual and potential emissions of each hazardous air pollutant emitted from the source. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Unit Emissions Summary

Part A provides the actual and potential emissions of each hazardous air pollutant emitted from each emissions unit. If you do not provide enough information to adequately describe the emissions from each emissions unit, the application process may be stopped.

1. Unit ID	2. Stack / Vent ID	3. Hazardous Air Pollutant	4. CAS Number	5. Actual Emissions		6. Potential To Emit	
				Standard Units	Tons Per Year	Standard Units	Tons Per Year
EU-20-29	201 - 210	See Table B-1					
EU-96	906	and Table B-2					
EU-97	907						
EU-32	305 - 309						
Insig. Activities	Various						

Continued on Next Page

Part B: Pollutant Emissions Summary

Part B provides the total actual and potential emissions of each hazardous air pollutant emitted from the source (including all emissions units and fugitive emissions at the source). If you do not provide enough information to adequately describe the total source emissions, the application process may be stopped.

7. Hazardous Air Pollutant	8. CAS Number	9. Actual Emissions		10. Potential To Emit	
		Standard Units	Tons Per Year	Standard Units	Tons Per Year
See Tables B-1 and B-2 in Appendix B					

Part C: Fugitive HAP Emissions *(if applicable)*

Part C summarizes the sources of fugitive HAP emissions at the source and estimates HAP emissions from these emission points. Complete this table if you are required to provide fugitive emissions data pursuant to 326 IAC 2-2 or 326 IAC 2-3.

11. Fugitive Emissions Source	12. Hazardous Air Pollutant	13. Emission Factor (lb/hr)	14. Number Leaking	15. Uncontrolled Potential To Emit	
				Pounds Per Hour	Tons Per Year
Compressor Seals	N/A				
Flanges					
Open-Ended Lines					
Pressure Relief Seals					
Pump Seals					
Sampling Connections					
Valves					
Other *(specify)*:					

Table B-1
Enforceable Potential to Emit
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Source ID	Description	Limited Potential Emission Rate (ton/yr)											
		PM	PM10	PM2.5	SO2	VOC	CO	NOx	HAP	CO2	CH4	N2O	CO2e
Significant Emission Units													
EU-11	Pneumatic conveyor - grain unloading	11.77	5.13	0.87	--	--	--	--	--	--	--	--	--
EU-12	Corn receiving and storage system	6.20	6.20	6.20	--	--	--	--	--	--	--	--	--
EU-13	7 Storage bins (5 @ 8,000 bushels, 2 @ 4,000 bushels)	24.53	6.18	1.08	--	--	--	--	--	--	--	--	--
EU-14	6 Hammermills	11.30	4.76	3.20	--	--	--	--	--	--	--	--	--
EU-21	Open Fermenters	--	--	--	--	7.81	--	--	0.46	--	--	--	--
EU-22	Closed Fermenters	--	--	--	--	5.78	--	--		--	--	--	--
EU-23 & EU-24	Beer Wells	--	--	--	--	12.51	--	--		--	--	--	--
EU-20 & EU-25 - 29	Fermentation / Distillation Operations	--	--	--	--	0.09	--	--		--	--	--	--
EU-31, EU-33	Paddle screens / Spent grain conveying	--	--	--	--	440	--	--	--	--	--	--	--
EU-32	Spent stillage drying	55.2	55.2	55.2	--	17.52	--	--	7.76	--	--	--	--
EU-34 - EU-36	Distillers Dried Grain Loadout system / Transport System	1.86	1.86	1.86	--	--	--	--	--	--	--	--	--
EU-37 - EU-38	Rail Loader / Truck Loader	5.48	5.48	5.48	--	--	--	--	--	--	--	--	--
EU-41 - EU-45 EU-61 EU-71 - EU-76	Tanks and Bottling Operations / Barreling / Warehouse	--	--	--	--	1,926	--	--	--	--	--	--	--
EU-81	Equipment Leak Fugitives	--	--	--	--	128	--	--	--	--	--	--	--
EU-46	Rail and Truck Loading	--	--	--	--	6.7	--	--	--	--	--	--	--
EU-96	Natural Gas-Fired Boiler	214.2	8.12	8.12	0.64	5.88	89.77	299.24	2.02	128,248	2.46	2.35	129,027
EU-97	Natural Gas-Fired Boiler	1.58	1.58	1.58	0.13	1.15	17.51	20.55	0.39	25,019	0.48	0.46	25,171
Insignificant Activities													
--	Emergency Generators	0.30	0.16	0.15	1.41	0.24	2.38	9.04	0.006	495	0.02	0.004	497
--	Fire Water Pump	0.13	0.13	0.13	0.12	0.15	0.39	1.81	0.0015	68	0.003	0.001	68
--	Other Insignificant Activities	10.6	10.7	10.7	9.0	3.6	3.2	5.2	5.0	--	--	--	--
Totals		343	105.5	94.6	11.3	2,558	113	336	15.65	153,798	2.98	2.81	154,733

Notes:

EU-11, EU-13, and EU-14 emissions based on uncontrolled rates since particulate controls are not required by regulation.
EU-12 limits established pursuant to CP 029-6331-00005, issued March 14, 1997
EU-32 emissions based on uncontrolled rates since particulate controls are not required by regulation.
EU-34, EU-35, and EU-36 limits established pursuant to CP 029-6331-00005, issued March 14, 1997
EU-37 and EU-38 limits established pursuant to CP 029-6331-00005, issued March 14, 1997
EU-96 limit for PM pursuant to 326 IAC 6.5-3-8
EU-96 and EU-97 emission rates based on natural gas fuel combustion.

Hazardous Air Pollutant Summary

Constituent	EU-20 - EU-29	EU-32	EU-96	EU-97	Emergency Generators	Fire Water Pump	Other Insignificant Activities	Total
Acetaldehyde	0.46	4.80			0.0003	0.00032		5.26
Lead			0.001	0.0002				0.001
Manganese			0.0004	0.0001				0.0005
Benzene			0.002	0.0004	0.0022	0.00038		0.01
Formaldehyde		2.18	0.080	0.0156	0.0019	0.00049		2.28
Dichlorobenzene			0.001	0.0003				0.002
Toluene			0.004	0.0007	0.0008	0.00017		0.005
Hexane			1.92	0.38				2.30
Cadmium			0.001	0.0002				0.0014
Chromium			0.001	0.0003				0.0018
Nickel			0.002	0.0004				0.0027
Xylene					0.0005	0.00012		0.0007
Acrolein		0.65			0.0003	0.00004		0.65
Naphthalene					0.0004	0.00003		0.0004
Methanol		0.16			0.0001			0.16
1,3-Butadiene						0.00002		0.00002
Other							5.0	5.0
Total HAP	0.46	7.78	2.02	0.39	0.01	0.00	4.99	15.65

Table B-2
Controlled Potential to Emit
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Source ID	Description	Controlled Potential Emission Rate (ton/yr)											
		PM	PM10	PM2.5	SO2	VOC	CO	NOx	HAP	CO2	CH4	N2O	CO2e
Significant Emission Units													
EU-11	Pneumatic conveyor - grain unloading	0.06	0.03	0.004	--	--	--	--	--	--	--	--	--
EU-12	Corn receiving and storage system	1.32	0.49	0.08	--	--	--	--	--	--	--	--	--
EU-13	7 Storage bins (5 @ 8,000 bushels, 2 @ 4,000 bushels)	0.12	0.03	0.01	--	--	--	--	--	--	--	--	--
EU-14	6 Hammermills	0.06	0.02	0.02	--	--	--	--	--	--	--	--	--
EU-21	Open Fermenters	--	--	--	--	7.81	--	--	0.46	--	--	--	--
EU-22	Closed Fermenters	--	--	--	--	5.78	--	--		--	--	--	--
EU-23 & EU-24	Beer Wells	--	--	--	--	12.51	--	--		--	--	--	--
EU-20 & EU-26 - 29	Fermentation / Distillation Operations	--	--	--	--	0.09	--	--		--	--	--	--
EU-31, EU-33	Paddle screens / Spent grain conveying	--	--	--	--	440	--	--	--	--	--	--	--
EU-32	Spent stillage drying	8.3	8.3	8.3	--	17.52	--	--	7.78	--	--	--	--
EU-34 - EU-36	Distillers Dried Grain Loadout system / Transport System	0.07	0.03	0.01	--	--	--	--	--	--	--	--	--
EU-37 - EU-38	Rail Loader / Truck Loader	2.05	0.48	0.08	--	--	--	--	--	--	--	--	--
EU-41 - EU-45 EU-61 EU-71 - EU-76	Tanks and Bottling Operations / Barreling / Warehouse	--	--	--	--	1,926	--	--	--	--	--	--	--
EU-81	Equipment Leak Fugitives	--	--	--	--	128	--	--	--	--	--	--	--
EU-46	Rail and Truck Loading	--	--	--	--	6.7	--	--	--	--	--	--	--
EU-96	Natural Gas-Fired Boiler	8.12	8.12	8.12	0.64	5.65	89.77	299.24	2.02	128,246	2.46	2.35	129,027
EU-97	Natural Gas-Fired Boiler	1.58	1.58	1.58	0.13	1.15	17.51	20.85	0.39	25,019	0.48	0.46	25,171
Insignificant Activities													
--	Emergency Generators	0.30	0.15	0.15	1.41	0.24	2.38	9.04	0.006	465	0.02	0.004	467
--	Fire Water Pump	0.13	0.13	0.13	0.12	0.15	0.39	1.81	0.0015	68	0.003	0.001	68
--	Other Insignificant Activities	10.6	10.7	10.7	9.0	3.6	3.2	5.2	5.0	--	--	--	--
Totals		32.7	30.1	29.2	11.3	2,556	113	336	16.65	153,798	2.96	2.81	154,733

Notes:

EU-11, EU-13, and EU-14 emissions based on controlled rates.
EU-12 emissions based on controlled rates.
EU-32 PM emissions based on controlled rates. VOC emissions conservatively assume no control results from wet scrubbing of dryer exhaust gas.
EU-34, EU-35, and EU-36 emissions based on controlled rates.
EU-37 and EU-38 emissions based on controlled rates.
EU-96 and EU-97 emission rates based on natural gas fuel combustion.

Hazardous Air Pollutant Summary

Constituent	EU-20 - EU-29	EU-32	EU-96	EU-97	Emergency Generators	Fire Water Pump	Other Insignificant Activities	Total
Acetaldehyde	0.46	4.80			0.0003	0.00032		5.26
Lead			0.001	0.0002				0.001
Manganese			0.0004	0.0001				0.0005
Benzene			0.002	0.0004	0.0022	0.00038		0.01
Formaldehyde		2.18	0.080	0.0156	0.0019	0.00049		2.28
Dichlorobenzene			0.001	0.0003				0.002
Toluene			0.004	0.0007	0.0008	0.00017		0.005
Hexane			1.92	0.38				2.30
Cadmium			0.001	0.0002				0.0014
Chromium			0.001	0.0003				0.0018
Nickel			0.002	0.0004				0.0027
Xylene					0.0005	0.00012		0.0007
Acrolein		0.65			0.0003	0.00004		0.65
Naphthalene					0.0004	0.00003		0.0004
Methanol		0.16			0.0001			0.16
1,3-Butadiene						0.00002		0.00002
Other							5.0	5.0
Total HAP	0.46	7.78	2.02	0.39	0.01	0.00	4.99	15.65

Table B-3
Potential to Emit - Particulate
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

EU-11
Conveyor - Grain Unloading

Throughput 8,760,000 bushel/yr
28 ton/hr
56,000 lb/hr
Control Efficiency 99.5%

Operation	Emission Factor			Potential Emissions (Uncontrolled)					
	PM (lb/ton)	PM10 (lb/ton)	PM2.5 (lb/ton)	PM (lb/hr)	PM (ton/yr)	PM10 (lb/hr)	PM10 (ton/yr)	PM2.5 (lb/hr)	PM2.5 (ton/yr)
Grain Receiving	0.035	0.0078	0.0013	0.98	4.29	0.22	0.96	0.04	0.16
Internal Operation	0.061	0.034	0.0058	1.71	7.48	0.95	4.17	0.16	0.71
Total	0.096	0.0418	0.0071	2.69	11.77	1.17	5.1	0.20	0.87
			Controlled Emissions	0.013	0.059	0.006	0.026	0.001	0.004

EU-12
Corn Receiving and Storage System

Throughput 61,320,000 bushel/yr
196 ton/hr
392,000 lb/hr
Control Efficiency 99.5%

Operation	Emission Factor			Potential Emissions (Uncontrolled)					
	PM (lb/ton)	PM10 (lb/ton)	PM2.5 (lb/ton)	PM (lb/hr)	PM (ton/yr)	PM10 (lb/hr)	PM10 (ton/yr)	PM2.5 (lb/hr)	PM2.5 (ton/yr)
Unloading Hopper	0.035	0.0078	0.0013	6.86	30.05	1.53	6.70	0.25	1.12
Elevator	0.061	0.034	0.0058	11.96	52.37	6.66	29.19	1.14	4.98
Corn Silo	0.061	0.034	0.0058	11.96	52.37	6.66	29.19	1.14	4.98
Grain Cleaner	0.075	0.019	0.0032	14.70	64.39	3.72	16.31	0.63	2.75
Transfer to Bins	0.075	0.019	0.0032	14.70	64.39	3.72	16.31	0.63	2.75
Total	0.307	0.1138	0.0193	60.17	263.6	22.3	97.7	3.8	16.6
			Controlled Emissions	0.30	1.32	0.112	0.49	0.02	0.08
			Enforceable Limit:	1.419	6.219		6.219		6.219

Notes:
EU-12 limits established pursuant to CP 029-6331-00005, issued March 14, 1997.

EU-13
Storage Bins

Throughput 70,080,000 bushel/yr
224 ton/hr
448,000 lb/hr
Control Efficiency 99.5%

Operation	Emission Factor			Potential Emissions (Uncontrolled)					
	PM (lb/ton)	PM10 (lb/ton)	PM2.5 (lb/ton)	PM (lb/hr)	PM (ton/yr)	PM10 (lb/hr)	PM10 (ton/yr)	PM2.5 (lb/hr)	PM2.5 (ton/yr)
Bin Loading / Receiving	0.025	0.0063	0.0011	5.6	24.5	1.41	6.2	0.25	1.1
Total	0.025	0.0063	0.0011	5.6	24.53	1.41	6.181	0.25	1.1
			Controlled Emissions	0.028	0.123	0.007	0.031	0.001	0.005

EU-14
Hammermills

Throughput 9,198,000 bushel/yr
54.88 ton/hr
109,760 lb/hr
Control Efficiency 99.5%

Operation	Emission Factor			Potential Emissions (Uncontrolled)					
	PM (lb/ton)	PM10 (lb/ton)	PM2.5 (lb/ton)	PM (lb/hr)	PM (ton/yr)	PM10 (lb/hr)	PM10 (ton/yr)	PM2.5 (lb/hr)	PM2.5 (ton/yr)
Hammermill	0.012	0.012	0.012	0.66	2.9	0.66	2.9	0.659	2.9
Hopper	0.035	0.0078	0.0013	1.92	8.4	0.43	1.9	0.071	0.3
Total	0.047	0.0198	0.0133	2.58	11.30	1.09	4.76	0.73	3.20
			Controlled Emissions	0.013	0.056	0.005	0.024	0.004	0.016

Notes:
Emissions factors taken from AP-42 Section 9.9.1, Grain Elevators and Processes.
Potential Emissions (lb/hr) = Throughput (ton/hr) x EF (lb/ton)
Potential Emissions (ton/yr) = Potential emissions (lb/hr) x 8760 hr/yr / 2000 lb/ton
Controlled Emissions (ton/yr) = (1 - CE) x Potential Emissions (ton/yr)

Table B-3
Potential to Emit - Particulate
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

EU-32
Rotary Dryers

Maximum Usage: 7 ton/hr

	Controlled Emission Factor (lb/ton)	Controlled Emissions (lb/hr)	Controlled Emissions (ton/yr)	Uncontrolled Emissions (lb/hr)	Uncontrolled Emissions (ton/yr)
PM	0.27	1.89	8.28	12.60	55.2
PM10	0.27	1.89	8.28	12.60	55.2
PM2.5	0.27	1.89	8.28	12.60	55.2

Notes:

Controlled emission Factor from AP-42, Table 9.9.7-1
Controlled Emissions (ton/yr) = Usage (ton/yr) x EF (lb/ton) x 8,760 hr/yr / 2,000 lb/ton
Uncontrolled emissions estimated based on an 85% control efficiency for controlled emissions.
PM2.5 emissions conservatively assumed to be equal to PM10 emissions.

EU-34, 35, 36
Storage Silos, Transport system (rail), Transport system (truck)

Maximum Usage: 7 ton/hr
Control Efficiency: 99%

Control Efficiency 99.0%	Maximum Usage (tons/hr)	PM Emission Factor (lb/ton)	PM10 Emission Factor (lb/ton)	PM2.5 Emission Factor (lb/ton)	Uncontrolled PM Emissions (tons/yr)	Uncontrolled PM10 Emissions (tons/yr)	Uncontrolled PM2.5 Emissions (tons/yr)	Controlled PM Emissions (tons/yr)	Controlled PM10 Emissions (tons/yr)	Controlled PM2.5 Emissions (tons/yr)
EU-34	7.00	0.096	0.042	0.0071	2.94	1.28	0.22	0.029	0.013	0.002
EU-35	7.00	0.061	0.034	0.0058	1.87	1.04	0.18	0.02	0.01	0.002
EU-36	7.00	0.061	0.034	0.0058	1.87	1.04	0.18	0.02	0.01	0.002
				Totals	6.68	3.37	0.57	0.07	0.03	0.01
				Enforceable Limit:				1.86	1.86	1.86

Notes:

PM and PM10 emission factors from AP-42, Table 9.9.1-1 (updated 4/2003)
EU-34 PM Emission Factor = PM Emission Factor for storage silos (0.061) + PM Emission Factor for hopper trucks (0.035) = 0.096
EU-34 PM10 Emission Factor = PM10 Emission Factor for storage silos (0.034) + PM10 Emission Factor for hopper trucks (0.0078) = 0.042
EU-34 PM2.5 Emission Factor = PM2.5 Emission Factor for storage silos (0.0058) + PM2.5 Emission Factor for hopper trucks (0.0013) = 0.0071
Emission Rate = Maximum Usage * PM Emission Factor
EU-34, EU-35, and EU-36 limits established pursuant to CP 029-6331-00005, issued March 14, 1997.

EU-37, 38
Rail Car Loader, Truck Loader

	Maximum Usage (tons/hr)	Uncontrolled PM Emission Factor (lb/ton)	Uncontrolled PM10 Emission Factor (lb/ton)	Uncontrolled PM2.5 Emission Factor (lb/ton)	Uncontrolled PM Emissions (tons/yr)	Uncontrolled PM10 Emissions (tons/yr)	Uncontrolled PM2.5 Emissions (tons/yr)
EU-37	7.00	0.032	0.0078	0.0013	0.981	0.239	0.040
EU-38	7.00	0.035	0.0078	0.0013	1.07	0.239	0.040
				Totals	2.05	0.478	0.080
				Enforceable Limit:	5.48	5.48	5.48

Notes:

Emission Factor from AP-42, Table 9.9.1-1.(updated 4/2003)
Emission Rate = Maximum Usage * PM Emission Factor
EU-37 and EU-38 limits established pursuant to CP 029-6331-00005, issued March 14, 1997

Table B-4
Potential to Emit - VOC and HAP
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

EU-20, 25-29
Distillation

Maximum Usage (gal/hr)	VOC Emission Factor (lb/1000 gal)	VOC Emission rate (lb/hr)	VOC Emission rate (ton/yr)
31,221	0.000679	0.021	0.093

Notes:
Emission Factor is based on facility information
Emission Rate (lb/hr) = Usage (gal/hr)/1,000 x EF (lb/1,000 gal)
Emission Rate (ton/yr) = Emission Rate (lb/hr) x 8,760 hr/yr / 2,000 lb/ton

EU-21
Open Fermenting
Maximum Usage 1,095,000 bu/yr

Constituent	Emission Factor (lb/1,000 bu)	VOC Emission rate (lb/yr)	VOC Emission rate (ton/yr)	VOC Emission rate (lb/hr)
Ethanol	14.2	15,549	7.77	1.78
Ethyl Acetate	0.046	50	0.03	0.006
Isoamyl Alcohol	0.013	14	0.007	0.002
Isobutyl Alcohol	0.004	4	0.002	0.0005
Total VOC	14.263		7.81	1.78

EU-22
Closed Fermenting
Maximum Usage 8,103,000 bu/yr
Control Efficiency 90%

Constituent	Emission Factor (lb/1,000 bu)	VOC Emission rate (lb/yr)	VOC Emission rate (ton/yr)	VOC Emission rate (lb/hr)
Ethanol	14.2	115,063	57.53	13.14
Ethyl Acetate	0.046	373	0.19	0.04
Isoamyl Alcohol	0.013	105	0.05	0.01
Isobutyl Alcohol	0.004	32	0.02	0.004
Uncontr VOC	14.263		57.79	13.19
Controlled VOC			5.78	1.319

Notes:
Emission Factors taken from AP-42, Table 9.12.3-1
Emission Rate (ton/yr) = Usage (bu/yr)/1,000 x Emission Factor (lb/1,000 bu) / 2,000 lb/ton
Emission Rate (lb/hr) = Emission Rate (ton/yr) x 2,000 lb/ton / 8,760 hr/yr
Controlled Emission Rate (ton/yr) = (1 - CE) x Emission Rate (ton/yr)
Controlled Emission Rate (lb/hr) = (1 - CE) x Emission Rate (lb/hr)

EU-23 and EU-24
Beer Wells #3 and #1
Maximum Usage 1,050 1,000 bu/hr
Control Efficiency

Constituent	Emission Factor (lb/1,000 bu)	VOC Emission rate (lb/yr)	VOC Emission rate (ton/yr)
Ethanol	2.72	2.86	12.51

Notes:
Emission factor is based on facility information.
Emission rate (lb/hr) = Maximum usage (1,000 bu/hr) x EF (lb / 1,000 bu)
Emission Rate (lb/hr) = Emission Rate (ton/yr) x 2,000 lb/ton / 8,760 hr/yr

EU-20 - EU-29
Distillation Operations

Constituent	HAP Emission Rate (ton/yr)
Acetaldehyde	0.462

Notes:
HAP emission rate is based on facility calculations.

Table B-4
Potential to Emit - VOC and HAP
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

EU-31 and EU-33
Paddle Screens
Conveyors

Source	Max Usage (gal/hr)	VOC Emission Factor (lb/1,000 gal)	VOC Emission rate (lb/hr)	VOC Emission rate (ton/yr)
Spirits System	20,859	3.4	70.92	311
Whisky System	4,319	6.8	29.37	129
			Total:	440

Notes:

Emission Rate = Maximum Usage (gal/hr)/1,000 x VOC Emission factor (lb/1,000 gal)
Stillage alcohol concentration of 0.05% at spirits system
Stillage alcohol concentration of 0.1% at whisky system

EU-32
Spent Stillage Drying

Constituent	Emission Factor (avg ppm in exhaust)	Molecular Weight (lb/lb-mol)	Emission rate (lb/yr)	Emission rate (ton/yr)
Ethanol	31.68	46.07	1.22	5.36
Acetic Acid	18.19	60.05	0.92	4.01
Formaldehyde	19.75	30.03	0.50	2.18
Methanol	1.33	32.04	0.04	0.16
Acetaldehyde	29.62	44.05	1.10	4.80
Acrolein	3.14	56.06	0.15	0.65
Furfural	1.03	96.09	0.08	0.36
Total VOC			4.00	17.52
Total HAP			1.78	7.78

Note: Emission factors based on test data of Agri-Energy Ethanol, Luverne MN from air permit issued by IDEM for Iroquois Bio-Energy Company, LLC Application No. 073-16720-00037.

Dryer exhaust flow:	12,500 acfm (EU-32 through EU-36 each at 2,500 acfm)
Exhaust temp:	200 F
Exhaust moisture content:	47%
Dryer Exhaust flow:	5300 scfm

EU-41 through EU-43, EU-45, EU-61
Tanks and Bottling Operations

Source	Maximum Usage (PG/yr)	VOC Emission Factor (lb/1000 gal)	VOC Emissions (lb/hr)	VOC Emissions (ton/yr)
EU-41 (Wine Room)	32,000,000	1.22	4.46	19.52
EU-42 (Tank Farm)	30,000,000	1.267	4.34	19.01
EU-43 (Bldg 88)	14,000,000	0.67	1.07	4.69
EU-45 (Mini Tank Farm)	10,000,000	0.718	0.82	3.59
EU-61 (Whiskey System)	13,000,000	0.95	1.41	6.18
EU-61 (Gin System)	12,775,000	0.913	1.33	5.83
Total			13.43	58.81

Notes:

Emissions (ton/yr) = Maximum usage (pg/yr)/1,000 x EF (lb/1,000 gal) / 2,000 lb/ton
Emissions (lb/hr) = Emissions (ton/yr) x 2,000 lb/ton / 8,760 hr/yr
EU-44 (Regauge Tanks), EU-51 (Bottling Tank Room), EU-52 (Bottling Line), EU-53 (Cooler Flavors), and EU-53 (Cooler Tanks and Bottling) are not included since these sources are no longer owned or operated by MGPI of Indiana, LLC.

EU-71 through EU-76
Warehouse Emissions

Source	Emission Factor (lb/barrel/yr)	# Barrels	VOC Emissions (lb/yr)	VOC Emissions (ton/yr)
EU-71 through EU-76	6.9	541278	3,734,818	1,867

Notes:

Emission factor taken from AP-42 Table 9.12.3-1
Emissions (ton/yr) = # barrels x EF (lb/barrel/yr) / 2,000 lb/ton

Table B-4
Potential to Emit - VOC and HAP
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

EU-81
Equipment Leak Fugitive Emissions

Component	Count	Emission Factor (lb/hr/component)	% VOC	VOC Emissions (lb/hr)	VOC Emissions (ton/yr)
Pumps	124	0.0439	60%	3.27	14.31
Valves	4,481	0.0089	60%	23.93	104.81
Flanges	6,940	0.0005	60%	2.08	9.12
			Total	29.28	128.23

Notes:

Component counts based on facility estimates. Counts exclude components within former bottling operation that are no longer owned or operated by MGPI of Indiana, LLC.
Average SOCMI emission factor, taken from "Protocol for Equipment Leak Emission Estimates", EPA-453/R-95-017, November 1995
Emissions (lb/hr) = # components x EF (lb/hr/component) x % VOC
Emissions (ton/yr) = Emissions (lb/hr) x 8,760 hr/yr / 2,000 lb/ton

EU-46
Rail Car and Truck Loading Emissions

Emission Point	Loading Properties[a]				Throughput[b]
	Loading Temperature (F)	Loading Temperature (R)	Vapor Pressure (psi)	Vapor Molecular Weight (lb/lb-mol)	Annual (1,000 gal/yr)
Rail Car and Truck Loading	62	521.67	0.689	46	29,450

Emission Point	Saturation Factor[c]	Loading Loss[d] ($lb/10^3$ gal)	Uncontrolled VOC Emissions[e] Annual (ton/yr)
Rail Car and Truck Loading	0.6	0.454	6.69
Total			6.69

Notes:

(a) Vapor pressure and molecular weight taken from the material property information for ethanol.
Antoine's Coefficients for ethanol: log P = A - [B/(T+C)]; P in bar, T in K

A =	5.37229	
B =	1670.409	
C =	-40.191	
T =	289.667	K
P =	0.047	bar
P =	0.689	psi

(b) Maximum annual production of: 31,000,000 gal/yr
Product proof: 190 proof
Product Ethanol concentration: 95%
Maximum annual Ethanol throughput: 29,450,000 gal/yr

(c) Saturation factor for submerged, dedicated loading taken from Section 5.2 of AP-42, Fifth Edition, Volume 1.

(d) Loading loss estimate calculated according to the methodology in Section 5.2 of AP-42, Fifth Edition, Volume 1.
Sample Calculation, average loading loss:
L_L ($lb/10^3$ gal)= 12.46 SMP / T ; S = Saturation Factor (--)
M = Vapor Molecular Weight (lb/lb-mol)
P = Vapor Pressure (psi)
T = Loading Temperature (R)

$$L_L = \frac{(12.46)\ (0.6)\ (46\ lb/lb\text{-}mol)\ (0.689\ psi)}{521.67\ R} = 0.454\ lb / 10^3\ gal$$

(e) Emissions estimated by applying the loading loss to the applicable loading throughput.
sample calculation, annual emissions:

$$\frac{0.454\ lb}{1000\ gal} \left| \frac{29{,}450\ x1{,}000\ gal}{yr} \right| \frac{ton}{2{,}000\ lb} = 6.69\ \frac{ton}{yr}$$

Table B-5
Potential to Emit - EU-96
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Natural Gas Combustion
Criteria Pollutant Emission Rates

Heat Input Capacity	244	MMus/hr.
Nat Gas Heat Content	1000	Btu/scoff
Nat Gas Consumption	0.244	MSc/hr.
Nat Gas Consumption	2137.4	MSc/yr.

Emission Rates	PM	PM10	PM2.5	SO2	Knox	VOC	CO	CO2	CH4	N2O	CO2e
Emission Factor (lb./MSc)	7.6	7.6	7.6	0.6	280	5.5	84	120,000	2.3	2.2	--
Emission rates (lb./hr.)	1.85	1.85	1.85	0.15	68.32	1.34	20.50	29,280	0.56	0.54	29,458
Emission rates (ton/yr.)	8.12	8.12	8.12	0.64	299.2	5.88	89.77	128,246	2.46	2.35	129,027

Notes:

Emission Factors taken from AP-42, Table 1.4-1 (Pre-NSPS Knox, CO) and Table 1.4-2 (SO2, PM, VOC, CO2, CH4, N2O)
Emissions (ton/yr.) = Natural Gas Throughput (MSc/yr.) x EF (lb./MSc) / 2,000 lb./ton
CO2(e) emissions calculated by applying the following Global Warming Potentials to the respective GHG mass emissions:

CO2 =	1
CH4 =	21
N2O =	310

Emissions from firing other fuel types are not estimated since EU-96 will comply with 40 CFR 63 Subpart DDDDD requirements by firing only natural gas.

Natural Gas Combustion
HAP Emission Rates

HAP	EF (lb./MSc)	Emission Rate (lb./hr.)	Emission Rate (ton/yr.)
Benzene	2.10E-03	0.001	0.002
Formaldehyde	7.50E-02	0.018	0.080
Dichlorobenzene	1.20E-03	0.0003	0.001
Toluene	3.40E-03	0.001	0.004
Hexane	1.80E+00	0.439	1.924
Lead	1.00E-03	0.00024	0.001
Cadmium	1.10E-03	0.0003	0.001
Chromium	1.40E-03	0.0003	0.001
Manganese	3.80E-04	0.0001	0.0004
Nickel	2.10E-03	0.001	0.002
Total		0.461	2.017

Notes:

HAP emission factors taken from AP-42, Tables 1.4-3 and 1.4-4
Emissions (ton/yr.) = Natural Gas Throughput (MSc/yr.) x EF (lb./MSc) / 2,000 lb./ton
HAP Emission Rates only including the 5 highest Metals and VOCs

Table B-6
Potential to Emit - EU-97
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Natural Gas Combustion
Criteria Pollutant Emission Rates

Heat Input Capacity	47.6 MMBtu/hr
Nat Gas Heat Content	1000 Btu/scf
Nat Gas Consumption	0.0476 MMscf/hr
Nat Gas Consumption	417.0 MMscf/yr

Emission Rates	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2	CH4	N2O	CO2e
Emission Factor (lb/MMscf)	7.6	7.6	7.6	0.6	100	5.5	84	120,000	2.3	2.2	–
Emission rates (lb/hr)	0.36	0.36	0.36	0.03	4.76	0.26	4.00	5,712	0.11	0.10	5,747
Emission rates (ton/yr)	1.58	1.58	1.58	0.13	20.85	1.15	17.51	25,019	0.48	0.46	25,171

Notes:

Emission Factors taken from AP-42, Table 1.4-1 (NOx, CO) and Table 1.4-2 (SO2, PM, VOC, CO2, CH4, N2O)
Emissions (ton/yr) = Natural Gas Throughput (MMscf/yr) x EF (lb/MMscf) / 2,000 lb/ton
CO2(e) emissions calculated by applying the following Global Warming Potentials to the respective GHG mass emissions:

CO2 =	1
CH4 =	21
N2O =	310

Emissions from firing other fuel types are not estimated since EU-97 will comply with 40 CFR 63 Subpart DDDDD requirements by firing natural gas except during periods of natural gas curtailment or supply interruption when liquid fuel may be fired.

Natural Gas Combustion
HAP Emission Rates

HAP	EF (lb/MMscf)	Emission Rate (lb/hr)	Emission Rate (ton/yr)
Benzene	2.10E-03	0.0001	0.0004
Formaldehyde	7.50E-02	0.004	0.016
Dichlorobenzene	1.20E-03	0.0001	0.0003
Toluene	3.40E-03	0.0002	0.001
Hexane	1.80E+00	0.086	0.375
Lead	1.00E-03	0.00005	0.00021
Cadmium	1.10E-03	0.0001	0.0002
Chromium	1.40E-03	0.0001	0.0003
Manganese	3.80E-04	0.00002	0.0001
Nickel	2.10E-03	0.0001	0.0004
Total		0.090	0.394

Notes:

HAP emission factors taken from AP-42, Tables 1.4-3 and 1.4-4
Emissions (ton/yr) = Natural Gas Throughput (MMscf/yr) x EF (lb/MMscf) / 2,000 lb/ton
HAP Emission Rates only including the 5 highest Metals and VOCs

Table B-7
Emergency Generators Potential To Emit
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Generac Generator
Criteria Pollutant Emission Rates

Heat Input Capacity 119 ft3/hr [from Generac spec sheet, model 004673]
0.000119 MMscf/hr
0.0595 MMscf/yr [500 hr/yr emergency back-up]
0.119 MMBtu/hr [1,000 BTU/scf heat content]
59.5 MMBtu/year [1,000 BTU/scf heat content]

Emission Rates	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2	CH4	N2O	CO2e
Emission Factors[a] (lb/MMscf)	20.11	20.11	20.11	0.6	2840	116	399	120,000	2.3	0.23	--
Emission rates[b] (lb/hr)	0.0024	0.0024	0.0024	0.0001	0.338	0.014	0.047	14.280	0.0003	0.00003	14
Emission rates[c],[d] (ton/yr)	0.0006	0.0006	0.0006	0.00002	0.084	0.003	0.012	3.57	0.0001	0.00001	3.6

Notes:

(a) Emission factors taken from the following:

PM	Primary PM. Sum of EPA's Webfire factors for SCC 20300201, PM, Filterable, Uncontrolled and SCC 20300201 PM, Condensable.
PM10	Primary PM10. From EPA's Webfire factor for SCC 20300201, PM10, Primary.
PM2.5	Primary PM2.5. From EPA's Webfire factor for SCC 20300201, PM2.5, Primary.
SO2	From EPA's Webfire factor for SCC 20300201; SO2, Uncontrolled
NOx	From EPA's Webfire factor for SCC 20300201; NOx, Uncontrolled

VOC	From EPA's Webfire factor for SCC 20300201; VOC, Uncontrolled
CO	From EPA's Webfire factor for SCC 20300201; CO, Uncontrolled
CO2	From 40 CFR 98 Table C-1 to Subpart C
CH4	From 40 CFR 98 Table C-2 to Subpart C
N2O	From 40 CFR 98 Table C-2 to Subpart C

(b) Emissions [lb/hr] = Natural Gas Throughput [MMscf/hr] x EF [lb/MMscf]
(c) Emissions [ton/yr] = Natural Gas Throughput [MMscf/yr] x EF [lb/MMscf] / 2,000 lb/ton
(d) CO2(e) emissions calculated by applying the following Global Warming Potentials to the respective GHG mass emissions:

CO2 = 1
CH4 = 21
N2O = 310

Natural Gas Combustion
HAP Emission Rates

HAP	EF (lb/MMBtu)	Emission Rate (lb/hr)	Emission Rate (ton/yr)
Acetaldehyde	7.76E-03	0.0009	0.0002
Acrolein	7.78E-03	0.0009	0.0002
Benzene	1.94E-03	0.0002	0.00006
Formaldehyde	5.52E-02	0.007	0.002
Methanol	2.48E-03	0.0003	0.00007
Total		0.009	0.002

Notes:

HAP emission factors taken from AP-42, Table 3.2-1. Factors for 2-stroke lean burn engines are conservatively used since they result in the largest HAP emissions across the engine types addressed in AP-42, Section 3.2.
Emissions (ton/yr) = Heat Input (MMBtu/yr) x EF (lb/MMBtu) / 2,000 lb/ton
HAP Emission Rates only including the 5 highest VOCs

Table B-7
Emergency Generators Potential To Emit
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Olympian Generator
Criteria Pollutant Emission Rates

Heat Input Capacity 1600 hp
0.5 % sulfur content
500 hr/yr operation for emergency back-up
11.2 MMBtu/hr burned (assume break-specific fuel consumption of 7,000 Btu/hp-hr)
81.8 gal/hr burned (Assume 137,000 Btu/gal)
40.9 kgal/year
5600 MMBtu/year

Emission Rates	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2	CH4	N2O	CO2e
Emission Factors[a] (lb/1,000 gal)	14.75	7.85	7.55	69	438	11.5	116	22600	1.11	0.18	--
Emission rates[b] (lb/hr)	1.21	0.64	0.62	5.64	35.81	0.94	9.48	1847.59	0.09	0.01	1854
Emission rates[c] (ton/yr)	0.30	0.16	0.15	1.41	8.95	0.24	2.37	461.90	0.02	0.004	464

Notes:

(a) Emission factors taken from the following:

PM	Sum of Filterable and Condensable PM. EPA's Webfire factor for SCC 20200401, PM, Primary
PM10	From EPA's Webfire factor for SCC 20200401; PM10, Primary
PM2.5	EPA's Webfire factor for SCC 20200401; PM2.5, Primary
SO2	SO2 Factor = 138 x (Sulfur wt%) EPA's Webfire factor for SCC 20200401; SO2, Uncontrolled
NOx	From EPA's Webfire factor for SCC 20200401; NOx, Uncontrolled

VOC	From EPA's Webfire factor for SCC 20200401; VOC, Uncontrolled
CO	From EPA's Webfire factor for SCC 20200401; CO, Uncontrolled
CO2	From EPA's Webfire factor for SCC 20200401; CO2, Uncontrolled
CH4	From EPA's Webfire factor for SCC 20200401; CH4, Uncontrolled
N2O	From EPA 40 CFR 98 Table C-2 "Petroleum"

(b) Emissions [lb/hr] = Diesel Throughput [gal/hr] / 1,000 x EF [lb/1,000 gal]
(c) Emissions [ton/yr] = Hourly Emission rate [lb/hr] * 500 hr/yr * 1 ton/2,000 lb
(d) CO2(e) emissions calculated by applying the following Global Warming Potentials to the respective GHG mass emissions:

CO2 =	1
CH4 =	21
N2O =	310

No. 2 Fuel Oil Combustion
HAP Emission Rates

HAP	EF (lb/MMBtu)	Emission Rate (lb/hr)	Emission Rate (ton/yr)
Benzene	7.76E-04	8.69E-03	0.002
Toluene	2.81E-04	3.15E-03	0.001
Xylene	1.93E-04	2.16E-03	0.001
Formaldehyde	7.89E-05	8.84E-04	0.0002
Acetaldehyde	2.52E-05	2.82E-04	0.0001
Acrolein	7.88E-06	8.83E-05	0.00002
Naphthalene	1.30E-04	1.46E-03	0.0004
Total		1.67E-02	0.004

Notes:

HAP emission factors taken from AP-42, Table 3.4-3
Emissions (ton/yr) = Heat Input (MMBtu/yr) x EF (lb/MMBtu) / 2,000 lb/ton

Table B-8
Fire Water Pumps Potential To Emit
MGPI of Indiana, LLC - Lawrenceburg Distillery
Permit No. T 029-24407-00005

Detroit Clark 0DFP0447
Criteria Pollutant Emission Rates

Heat Input Capacity
235 hp
0.5 % sulfur content
500 hr/yr operation for emergency back-up
1.6 MMBtu/hr burned (assume break-specific fuel consumption of 7,000 Btu/hp-hr)
12.0 gal/hr burned (Assume 137,000 Btu/gal)
6.0 kgal/year
822.5 MMBtu/yr

Emission Rates	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2	CH4	N2O	CO2e
Emission Factors[a] (lb/1,000 gal)	43.55	43.55	43.55	39.7	604	49.3	130	22,600	0.91	0.18	--
Emission rates[b] (lb/hr)	0.52	0.52	0.52	0.48	7.25	0.59	1.56	271.36	0.01	0.002	272
Emission rates[c] (ton/yr)	0.13	0.13	0.13	0.12	1.81	0.15	0.39	67.84	0.003	0.001	68

Notes:
(a) Emission factors taken from the following:

PM	Sum of EPA's Webfire factor for SCC 20200102, PM, Filterable, Uncontrolled and factor for SCC 20200401, PM, Condensable (since Condensable PM factor for SCC 20200102 is not provided).
PM10	Sum of EPA's Webfire factor for SCC 20200102, PM10, Filterable, Uncontrolled and factor for SCC 20200401, PM10, Condensable (since Condensable PM factor for SCC 20200102 is not provided).
PM2.5	Sum of EPA's Webfire factor for SCC 20200102, PM2.5, Filterable, Uncontrolled and factor for SCC 20200401, PM2.5, Condensable (since Condensable PM factor for SCC 20200102 is not provided).
SO2	EPA's Webfire factor for SCC 20200102; SO2, Uncontrolled
NOx	EPA's Webfire factor for SCC 20200102; NOx, Uncontrolled

VOC	EPA's Webfire factor for SCC 20200102, Total Organic Compounds, Uncontrolled
CO	EPA's Webfire factor for SCC 20200102; SO2, Uncontrolled
CO2	EPA's Webfire factor for SCC 20200102; SO2, Uncontrolled
CH4	From EPA 40 CFR 98 Table C-2 "Petroleum"
N2O	From EPA 40 CFR 98 Table C-2 "Petroleum"

(b) Emissions [lb/hr] = Diesel Throughput [gal/hr] / 1,000 x EF [lb/1,000 gal]
(c) Emissions [ton/yr] = Hourly Emission rate [lb/hr] * 500 hr/yr * 1 ton/2,000 lb
(d) CO2(e) emissions calculated by applying the following Global Warming Potentials to the respective GHG mass emissions:
CO2 = 1
CH4 = 21
N2O = 310

No. 2 Fuel Oil Combustion
HAP Emission Rates

HAP	EF (lb/MMBtu)	Emission Rate (lb/hr)	Emission Rate (ton/yr)
Benzene	9.33E-04	1.53E-03	0.0004
Toluene	4.09E-04	6.73E-04	0.0002
Xylene	2.85E-04	4.69E-04	0.0001
1,3-Butadiene	3.91E-05	6.43E-05	0.00002
Formaldehyde	1.18E-03	1.94E-03	0.0005
Acetaldehyde	7.67E-04	1.26E-03	0.0003
Naphthalene	8.48E-05	1.39E-04	0.00003
Acrolein	9.25E-05	1.52E-04	0.00004
Total		6.08E-03	0.002

Notes:
HAP emission factors taken from AP-42, Table 3.3-2
Emissions (ton/yr) = Heat input (MMBtu/yr) x EF (lb/MMBtu) / 2,000 lb/ton

ENVIRON

July 13, 2012

Via Certified Mail Return Receipt

IDEM Air Permits Administration
ATN: Incoming Application
100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, IN 46204-2251

Re: Air Operating Permit Renewal Application
MGPI of Indiana, LLC
Lawrenceburg, IN
Plant ID: 029-31206
Part 70 Permit No: T029-24407-00005

To the Agency:

On behalf of MGPI of Indiana, LLC (MGPI), ENVIRON International Corporation (ENVIRON) is submitting two copies of the enclosed application for renewal of the above referenced Part 70 Operating Permit. The application follows Indiana Department of Environmental Management guidelines for a streamlined renewal application, and is being submitted in a timely manner according to Condition B.16 of the current facility permit.

If you have questions or require additional information, please contact either me at (312) 288-3879 or Randy Graves of MGPI at (812) 532-4158.

Yours sincerely,

ENVIRON International Corporation

Michael Wieczorek, P.E.
Senior Manager

cc. Randy Graves, MGPI

Enclosure

ENVIRON International Corp. 333 West Wacker Drive, Suite 2700, Chicago, IL 60606
V +1 312.288.3800 F +1 312.288.3801

environcorp.com

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Lawrenceburg, Indiana
470259998
3816070425 -0097
07/13/2012 (800)275-8777 03:53:16 PM

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100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, IN 46204-2251

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X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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☐ Registered ☑ Return Receipt for Merchandise
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